

LL. B

Coastal Zone  
Information  
Center

KABALES NA PLANU PARA  
**GUAHAN**  
**GUAM**

COMPREHENSIVE DEVELOPMENT PLAN

COASTAL ZONE  
INFORMATION CENTER

HN  
931.5  
Z9  
C6  
1978

Sri Lanka. Bureau of Planning

HN 931.5.29 C6 1978

cc.s.s

PRINIPARAN I BUREAU OF PLANNING  
PREPARED BY THE BUREAU OF PLANNING





RICARDO J. BORDALLO  
GOVERNOR



### MENSAHIN I MAGA'LAHIN GUAHAN

*Para todū hamyo ni taotao Guahan hu yayama i atension miyo' pot este i Kabales Na Planu para i adilanton i tano'-ta.*

*Kada dia, debi dī bai hu fama'tinas disision gi asunto siha ni inefekta ti i prísente ha' na populasion lao kontodu i manmamaila' na henerasión. Meggai na biahí i nesisidat i situasion, ha nesista ensigidas na aksion.*

*Fine'nena na biahí i Kabales Na Planu ha establecida un padron para mama'tinas disision. I mina'ok este na padron ha depepende gue' gi mañaonao todū i taotao i isla. Para ta na'líbiano i mas ancho pusible na dinaña', hu aturisa na este na dokumento u mapupblika gi fino' Chamorro yan gi fino' Engles.*

*I fottura-ta ahe' ti ha depepende gue' ha' gi aksion i gubietno, lao sumasaonao lokkue' i pupbliku gi maditetmina i fottura-ta. Agupa' i famagu'on-ta yan i famagu'on-riiha, u ha husga i aksion-ta ni para ta cho'gue pa'go. Níhi ya munga na u a'alok i mamamaila' na henerasión na ti manachu hit hulo' parehu guini na inagang.*

### MESSAGE BY THE GOVERNOR OF GUAM

In presenting the *Comprehensive Development Plan*, I am presenting an invitation and a challenge to the people of Guam.

Daily, I am required to make decisions on matters affecting not only the existing population, but the generations to follow. Often, the urgency of a situation requires immediate action.

For the first time, the *Comprehensive Development Plan* establishes a framework for decision-making. The permanence of the framework will depend on the participation of all of the island's residents. To facilitate the widest possible participation, I have authorized that this document be published in both Chamorro and English.

Our future is dependent not only on government action, but also on public involvement in the determination of that future. Tomorrow, our children and grandchildren will be the judges of actions we take today. Let not the future generations say we did not prove equal to the challenge.

A stylized, handwritten signature of Ricardo J. Bordallo.

RICARDO J. BORDALLO  
Agana, Guam  
September, 1978



## MOFO'NA NA SINANGAN

*I mapupblikan i Kabales na Planu pot i ma'adilanton i isla, este i primet atbansa mo'na para i ma'adopto yan ma'supotte un hinasso para u giha i isla asta i otro siklo. I manmannanaitai kon atension siha ma'ripara i minetgot parehu yan i fiaba' guini na dokumento. Guaha taotao ni siña ha' ti u inapreba este i mana'huyong na dokumento. Hafa i mas empottante guini ni ayu i manmannanaitai u mana'guaha aksion gi ma'prisenta guini na planu pat ti ma'prisenta, pat, maskeseha hafa malago'-ñiha para u mana'fandaña' para i adilanto mo'na gi teritoriu.*

*U hongge na esta munhayan ha lista todú este na dokumento ayu siha na aksion i para u chule' i ofisiat i gubietno siha, yanggen mada-lalaki u guaha maolek na resutta inhenerat para i isla-ta. Lokkue' ta'lo este na dokumento siña sumetbe komu lepblon referensia para i taotao Guahan u fan manggagao aksion nu ayu siha i manggaige gi pusision aturidat. Pot ettimo i dokumento siña mana'setbe para u ni-na' daña' todú klassen taotaogue gi komunitat para u fan macho'cho' parehu para maplane'an i fottura-ta.*

*Este i Kabales Na Planu ni para i adilanton i tano' Guahan, tutuhun ha' este. I tumataitai este na dokumento, siha para u dinitetmina hafa para u macho'gue despues.*

## FORWARD

The publication of the *Comprehensive Development Plan* is only a first step towards the adoption and support of a strategy to guide the island into the next century. Attentive readers may note both strengths and weaknesses in the document. Some may disagree with what has been presented. What is most important is that these readers take action on what they have read, what they have not read, or what they would like to see included in the Territory's development strategy.

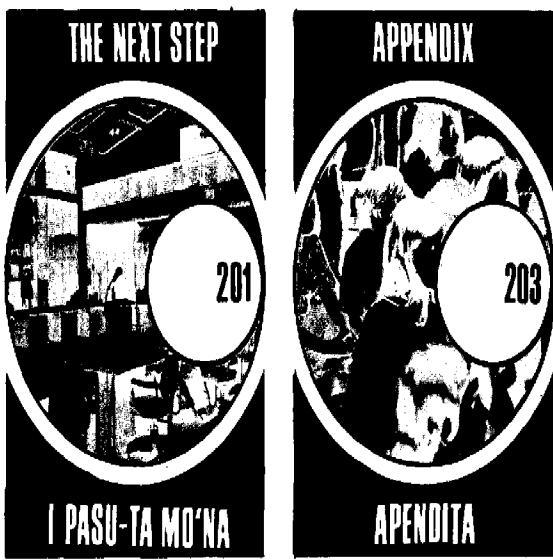
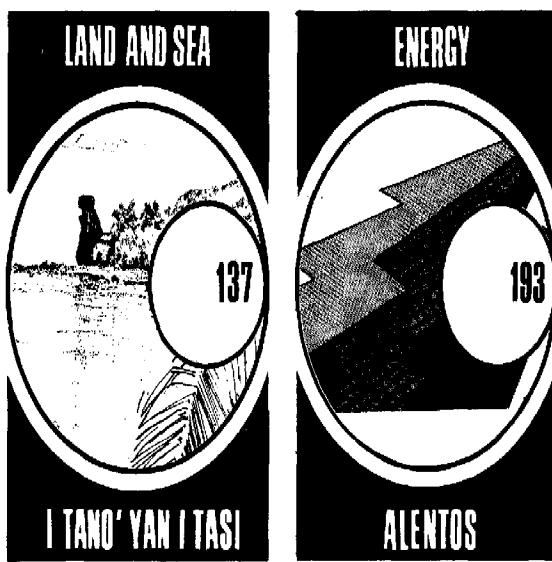
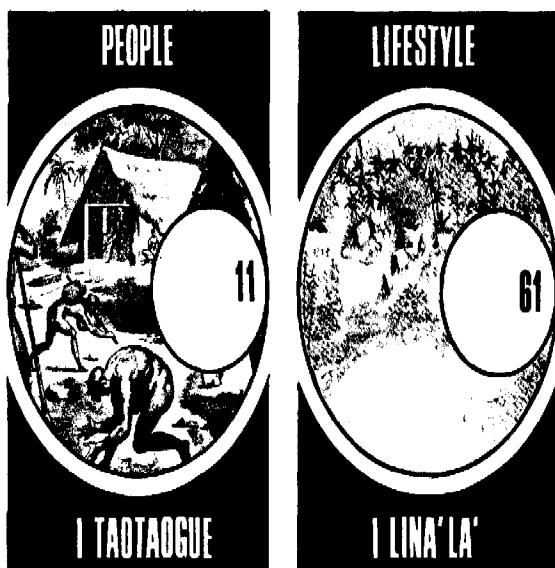
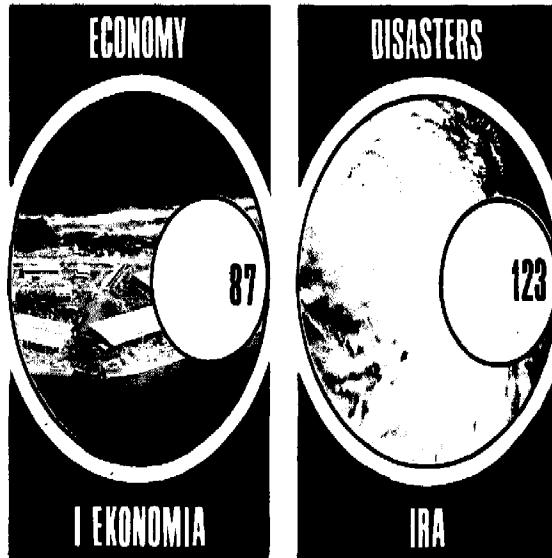
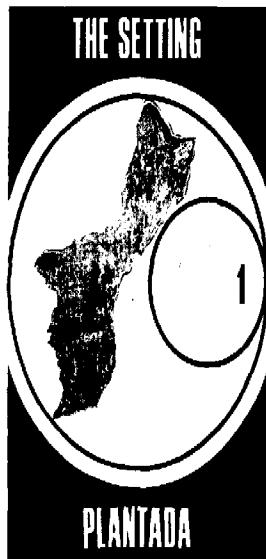
I believe the document is successful in listing various specific actions to be taken by government officials which, if taken, would result in general improvements to our island. Additionally, the *Comprehensive Development Plan* can serve as a reference manual to Guam's residents in demanding action by those in positions of authority. Finally, the document can be used to bring together all segments of the community to work as one in planning our future.

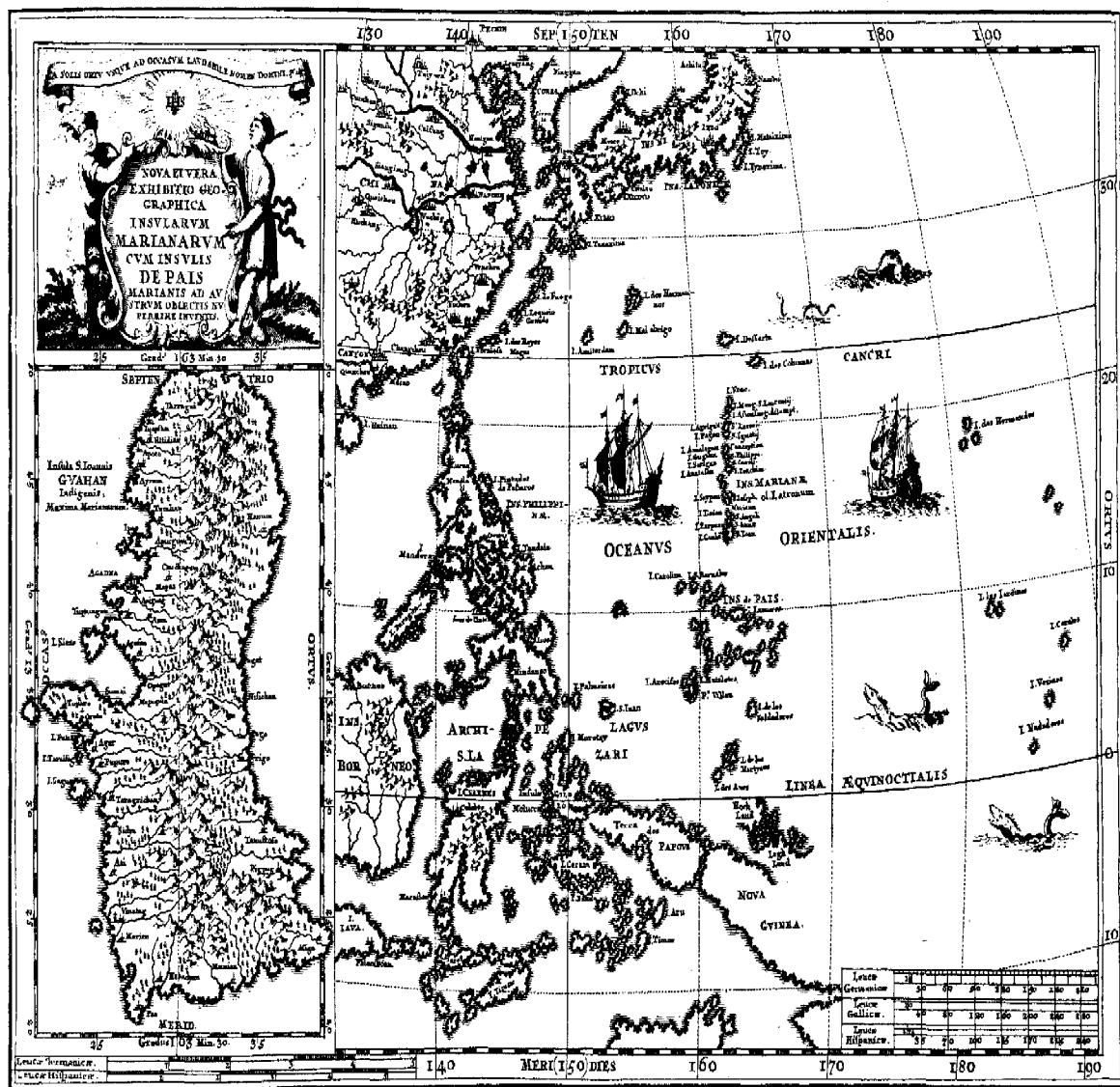
The *Comprehensive Development Plan* is only a beginning. Its readers will determine the next step to be taken.

PAUL B. SOUDER  
Director  
Bureau of Planning  
Government of Guam  
September, 1978

# MADIBIDIN I PLANU

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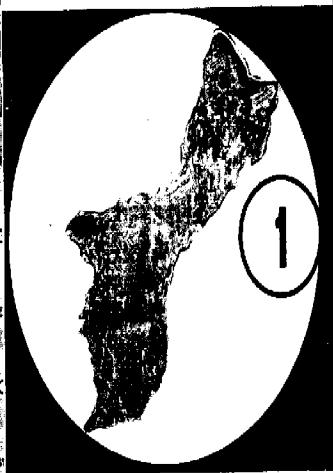




# PLANTADA

## THE SETTING

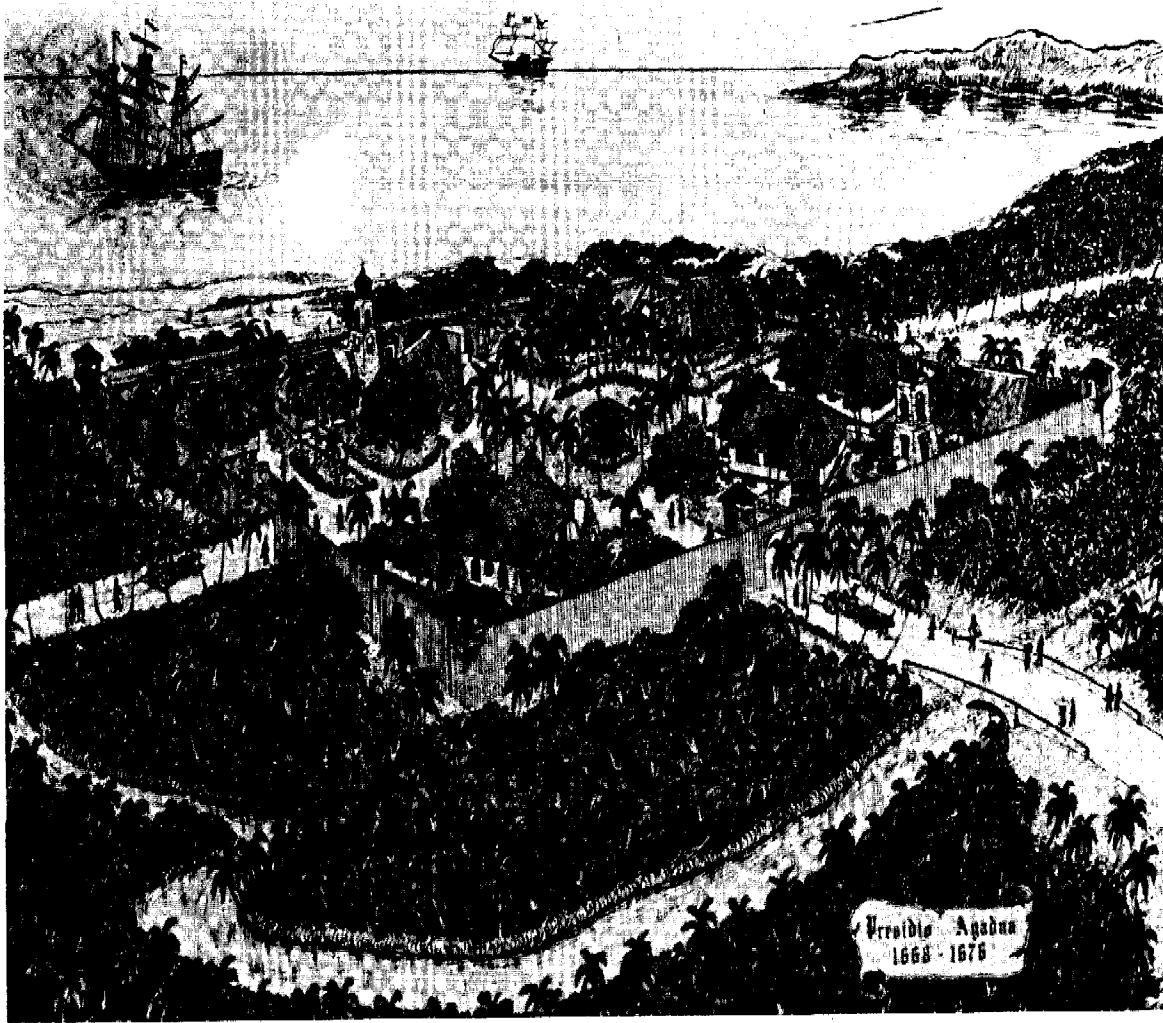
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GUAM

UNIFORM MAPPING SYSTEM





## NOTES:



Hagatna antes di i gera. Pre-War Agana

#### SANTATTE

Esta tres años maloffan desde i Bureau of Planning ma'establisya ya ma'enkatgo para u pripara un kabales na planu para Guahan. Duranten este na tiempo, mandaña'i tao-tao i Bureau of Planning, i taotao otro siha na dipattamenton i gubietno, yan i pubbliku ya manmarikohi ya mana'huyong enfot-masion yan ideha siha ya maftorma komu-giha' annai siña mana'huyong i resunapble na sinedda' pot i fina'pos-ta, i finaloffan-ta, yan i fottura-ta. Ginen este na sinedda' nai siña manma'identifika ayu siha na punto yan asunto ni para u inibligao i-gubietno para u tutuhon, u petsigi, yan u chachalani i mas maolek na karera para Guahan, i tao-ta-ña, yan i fottura-ña.

#### BACKGROUND

Over three years have transpired since the Bureau of Planning was established and charged with the responsibility for preparing a comprehensive development plan for Guam. During this period, the Bureau has been actively involved with other government agencies and the general public in developing and transforming a wealth of information and ideas into a form from which we could draw some reasonable assessments about our past, present and future. Based on these assessments, this document identifies those issues, and means toward their resolution which the government is obligated to address and pursue in the best interests of Guam, its people, and its future.





*I mabomban Hagatña antes di manhalom i Amerikanu. Pre-liberation bombing of Agana.*



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#### NEED

In presenting this document, those involved in its preparation could easily justify its development by simply pointing to Public Law 12-200 and responding that it is required by law. If timely compliance with this legislation was the sole concern, something called a "comprehensive development plan" might have been prepared earlier. It too could have been placed along side past studies and plans which served not so much to shape the island's development as they did the shelves which they filled.

#### PRINISIPI

*Sigun gi prumisesenta este na dokumento, manakonfotme na guaha mas prinisiyu-ña este na cho'cho'ki ayu ha'i mismo ginagao-ña i Lai Pupbliku 12-200. Yanggen para u makomplasin ha' i lai, siña ha' chaddek mapripara dokumento ni ma'alok "Kabales Na Planun Guahan". Lao komu in che'gue este siempre dumaña' yan i otro na inestudia yan planu ni mas setbente para sinahguan tapblita ki para u dinirihi i kinalamten i isla.*



*Hagatña despues di mabomba gi Hullo, 1944. Agana after the bombing, July 1944.*



*I managagas Hagatña despues di i gera. Bulldozing of Agana after the War.*

*I mapriparan este na dokumento ginagao mas empottante na kinimiti ki ayu ha' i manmarikohin enfotmasion, i ma'analsian yan ma'identifikasi i punto yan i asunto siha, i mafa'areklamento i punto siha, yan i mafotma un dokumento. Este na ilimento, ti sodda'on gi lepblo pat gi inestudia lao gaige mismo gi sensian i taotaogue ni mangaisensia yan manggaiminalago' para u kumiti siha signu gi i ginagao un planu ni taiguini,*

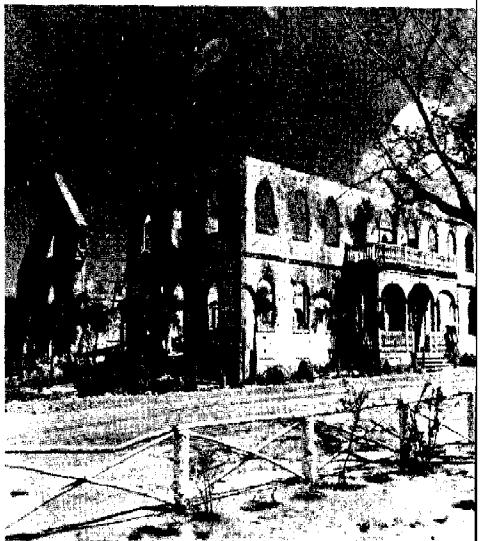
*Klaru na ginen i finakpo' i iran ekonomia yan i iran Yu'os, este na planu mas prisu yan nesiaru para pa'go na tetmenun i isla ta. Siguru na i komprimisu yan kinimitehi siña pusible yanggen marikoknisa na debi di ta hasso i fottura-ta mientras ta disisidi hafa para ta cho'gue pa'go.*

*Enfin, este na planu pripaoro parehu pot para makomplasin i ginagao i lai yan para u nina' annok i tinanga yan i nesisidat i tao-tao Guahan, i chat-hinassoso-ñiha pot i manmamaila'na henerasion, yan i respeton-ñiha ni manantiguan.*

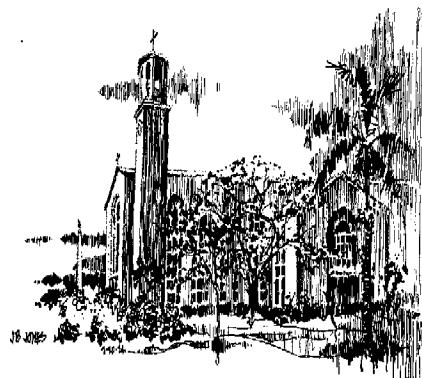
Development and preparation of a plan involves something more important than the collection of data, its analysis, identification of issues and goals, and through establishment of policies, its synthesis into a single document. That element, unattainable from any textbook, study or report, is a sense of the people's desire and willingness to accept a commitment to their future through adoption of a plan such as this.

It is apparent that, in the aftermath of a major economic recession and a disastrous typhoon, this plan is now both needed and desired at this time in the island's growth. A general commitment and degree of consensus can be achieved through recognition of such a plan that certain long-range considerations must be injected into determination of short-range actions.

This plan, then, has been prepared as much in response to certain requirements under law, as it has been to the expressed desires and needs of Guam's people, their concern for future generations, and their respect for the past.



*Katridat Hagatña despues di mabomba. Agana Cathedral after bombing.*





Hagatña, 1978  
Agana, 1978



I mana'tachon i primet na banderan Amerikanu desde dia dies gi Desembre 1941 as Paul S. O'Neal yan Milton A. Ford, dos kapitan sindalo, ocho minutos despues di manhalom i Amerikantu.  
The planting of the first American flag since 10, December 1941 by Marine Captains Paul S. O'Neal and Milton A. Ford, 8 minutes after the U.S. Forces landed on Guam.

#### ASSUMPTIONS

Often, plans are presented as "blueprints for the future" or as utopian visions of what our world should look like in, for example, the year 2000. All too often, Guam has seen such blueprints and visions buried under the devastating effects of typhoons, wars, and economic recessions. In developing this plan, certain significant factors and trends were recognized as being beyond the scope of this plan to affect or alter. By establishing these basic assumptions concerning Guam's future, a more realistic and effective approach was utilized in the development of the plan. Identification and recognition of the plan's limits was essential in avoiding the traps into which others in the past have led themselves.

#### ASUMACION

Meggai biahia na manmaprisenta hit "hotman i fottura-ta" komu guinifen haftaimanu i pusision-ña i tano'gi año 2000. Lao achameggai biahia na este siha na "hotma" manhinahafot ha' ni meggai iran pakyu, gera, pat tiempón chinatsaga. Pues este na planu ha rikoknisa i limite-ña ya ha aksepta hafasiña yan hafa ti siña ma'efekta. Ginen este na inaksepta nai u annok i mas manasset yan efektibu na aksion gi mapriparan este na dokumento. Prisiu este para u machanda taiguhi siha na ginaddon i manma'eksperensiya gi manma'pos.

*Esta gue' siha kuentayon na asumasion gi mapriparan i planu:*

**Estao Pulitika**

*U taiguhi ha' estao-ña Guahan i u gaige gi afafa' i Estados Unidos gi pulitika yan ligat na banda. Duranden i tetehnna na tiempo guini na siklo, siña guaha didide' na tinilaika lao, gi mayoria na banda u gogosa ha' Guahan i dimokrasia na fot-man gubietno, ya i asistensian i federat para i isla u makontinua.*

**Taotaogue**

*I madigan i dumopblen populasion i tano' unu gi etmas empottante na chathin-nasso ni fumafana' i manmama' disision para pa'go yan i mamaila' na henerasion.*

**Sosiadat**

*I masustienin yan i ma'abiban i kuttura, i lengguahi, yan i lina'la' i Chamorro dumadaña' yan i mobimento ni para mas ma'aksepta i kustumbre Amerikanu.*

**Militat**

*I taotao Guahan u kuadra gue' na ti u mahñao i gaigen i militat guini. Lokkue', komu hafa na problema yan otro na nassion, siempre u guaha kinalamten ni u inefekta i tano' yan i taotao. Maskeseha guaha nina'lon tano', i militat u kontinua gomotte' kahna' ha' tetset patte gi islan Guahan. Lokkue', buente ti u marehouse pat ma'umenta i 21,000 na taotao militat ni guaha pa'go Guahan.*

**Kondision Ekonomia**

*Taya' dankulo na tinilaika gi ekonomian i isla u faloffan. U sigi ha' Guahan dumipende gue' gi i salut i ekonomian i Estados Unidos yan Hapon. I gubietnon este yan i federat u kontinua u mas gai'emple'a'o.*

**Aleitos**

*Kontat ki gof dependiente Guahan gi petrot para aleitos siempre u hinahanan antes di u fakpo' este na siklo pot rason dinimenes yan i guinaguan-ña este na klassen aleitos.*

The following factors were assumed in the plan's development:

**Political Status**

Guam will remain within the political and legal framework of the United States. Though minor political status adjustments may occur during the rest of the century, it is assumed that Guam will maintain a democratic form of government and that federal financial assistance to the island will continue.

**Population**

The projected doubling of Guam's population is among the most critical challenges confronting today's and the next generation of Guam's decision-makers.

**Society**

This document assumes the maintenance and enhancement of the Chamorro culture, language, and lifestyle and the movement of the general population towards increased acceptance of mainland values.

**Military Presence**

The people of Guam will witness a continuing military presence. An abrupt shift in the United States' foreign policy or the outbreak of a major international conflict undoubtedly would have significant consequences. Though certain land transfers will occur, the plan assumes that approximately one-third (1/3) of the island's land area will continue to be owned by the military. The current population of approximately 21,000 military personnel and dependents will be maintained.

**Economic Conditions**

No radical structural changes in the economy of the island will occur. Guam's economy will continue to be highly dependent on the health of the economies of the United States and Japan. The local and federal governments will continue to be the island's major employers.

**Energy**

Guam's dependence on petroleum as its sole energy source will be threatened before the end of the century due to depleting supplies and excessive costs.





### Disasters

Natural disasters, particularly typhoons and earthquakes, will continue to be significant major threats. Additionally, threats to life and the environment due to man-induced disasters are assumed to become more serious with continued development and population growth. Finally, the strategic value of Guam makes the island particularly vulnerable to the effects of a major world war.

Because this plan is based on these general precepts, any major change in them will necessitate re-evaluation or revision of certain policies within the plan.

### PRESENTATION

A primary concern in preparing this plan was that of presenting it in a relatively concise, easily understandable, and clear manner. References to specific laws, documents, and technical materials have, for the most part, been omitted to avoid burying the reader under unfamiliar or meaningless legal citations, data, and references. Such detailed information is to be found in supporting documents identified in the appendix.

In addition, the document is presented in both the English and Chamorro languages. This is done not only to accommodate and assist those not capable of fluently reading the English language but also to recognize and emphasize the importance of the Chamorro language in Guam's development.

Six major categories, Chapters II through VII, were identified under which those subjects determined to be most significant during the planning process and by legislation could be most effectively addressed. These six broad areas include the People, their Lifestyle, the Economy, Disasters, the Land and Sea, and Energy.

These six chapters are divided into sections which deal with particular aspects of the broad chapter topics. Specific subjects are addressed through the identification of major issues with which they are associated, the nature of those issues, and recommended policies to be implemented toward their resolution.

### Ira

I iran Yu, os prensipatmente i linao yan i pakyu u sigi ha' humanan i taotao. Kon-todu lokkue' mas siempre serioso i hinan-an i lina'la' i taotao yan i lugat ginен i iran taotao entre sigi ha' i adilanton i isla yan i kinahulo' i populasion. Enfin, pot i empottanten i isla gi militat na manera, siempre u inefekta Guahan komu guaha dankulo na gera.

Sa' pot este na planu ha planta gue' gi este siha na asumasion yan hinengge, komu guaha hafa na mayot na tinilaika guini, siha nessariu na u matulaika pat u marinuebu i areklamento ni u inefekta.

### PRISENTASION

I mapriparan este na prisentasian gaige na mas enteresao na u na'huyong planu ni kumplidu, dinanche, komprendiyon, yan klaru. Espesiat yan teknikat na matiriat, dokumento, sinedda' yan lai ni ti direkta-mente prisu pat ti man ayudante, mana-faňuha pot no u inatborota i mananaitai. Manggaige este siha na enfotmasion gi etti-mon este na planu.

Este lokkue' na prisentasian matuge' gi i fino' Chamorro yan i fino' Engles. Macho'-gue este para u mas faset mataitai yan para u rinikoknisa i empottanten i lengguahi gi makontinu'an i kutturan Guahan.

Madibidin sais na katterugat este na planu. I Kapitulo II asta i Kapitulo VII madit-tima komu i etmas siknifikante durant i mafotman i planu yan sigun i lai. Este siha na katterugat enklusu i Taotaogue, i Lina'la', i Ekonomia, i Ira, i Tano' yan i Tasi, yan i Alientos.

Este i sais na katterugat mas manmadibidi pot pattikulat siha na diskuti. I espasifiku na punto yan problema mana'fanadaña' gi papa' i mayot siha na asunto ni hume'em-brarasa, i ginagagao-ñiha ayu siha na asunto, yan i rekomen dasion para u ma'implementa ni para u fina'maolek siha.

*Achok ha' ha rikoknisa este na planu na meggai prisenye yan kritikat na problema fumafane' i taotao, rikunisidu lokkue' na i sulusion ti u fatto chaddek, ya mas, ti debi di u fatto chaddek. Debi di i taotao u dinitetmina este. I planu ha ke ditetmina hafa siña manmasusedi komu ti ma'atende este siha i kritikat na asunto gi halom risunapble na tiempo. Prisu este sa' faktu ahe' ti pri-nidika.*

While this plan recognizes the immediate and critical nature of certain issues facing the island's growth, it also recognizes that the solutions will not, and in many instances should not, come overnight. The rate and degree of implementing the policies contained in this plan will be determined ultimately by its readers. The plan does attempt to outline the consequences of failure to address certain critical issues in a timely fashion – not so much as predictions, but as matters of fact.

#### DINISEHAN I TAOTAO

*Komu i guinahan i isla makumiti ya mana'-tinattiyi i punto yan asunton este na planu, siempre makumplidu ayu siha na dinisehan i taotao.*

*Este siha na diniseha, inapikurarayi umen-klusu guini' na planu i:*

*Populasion ni ayu siña sinapotten mao-lek i taotao gi halom i guinahan i tano'.*

*Sufisiente na opottunitat para todu para u mahago' i minaolek i salut, i edukasion, i brinabu, yan i ginefsaga.*

*Para u ma'adahi yan marikoknisa ayu siha i manantigu na guinahan i isla ni siña umayuda i kinalamten i tano' yan i taotao.*

*Fitme, yan asentadu na ekonomia ni sentidu gi nesisidat, guinahan, yan unikon Guahan.*

*Sufisiente na guinaha yan kapasidat para u fanasiste pat u na'alibia i minasa'pet pat dañon ira.*

*Balansa na ma'usan i tano' yan i hanom na guinaha para u inakudi i nesisidat i adilanton yan mana'utas i guinahan naturat i isla.*

*Sufisienten maisa gi guinahan alentos ni siña ha supotte takhilo' na kualidat lina'la'.*

*Achok ha' ha rikoknisa este na planu na meggai prisenye yan kritikat na problema fumafane' i taotao, rikunisidu lokkue' na i sulusion ti u fatto chaddek, ya mas, ti debi di u fatto chaddek. Debi di i taotao u dinitetmina este. I planu ha ke ditetmina hafa siña manmasusedi komu ti ma'atende este siha i kritikat na asunto gi halom risunapble na tiempo. Prisu este sa' faktu ahe' ti pri-nidika.*

#### GOALS

Through committing the Territory's resources towards recognition of those issues and policies outlined in this plan, achievement of certain desirable goals of the Territory may be readily accomplished.

General goals of the Territory as sought to be achieved through this plan include:

A population level which maintains the island's living standards without placing unnecessary stress on our limited resources, economic development, or social values.

Adequate equal opportunity for the island's population to attain desired levels of health, education, welfare and housing.

The preservation and recognition of those aspects of the island's past history which can contribute to the Territory's cultural character and growth.

A vital, broad-based, and stable economy sensitive to Guam's environment, location, and unique resources.

Sufficient resources and capabilities to assist in relieving or avoiding suffering and damage brought about through disasters.

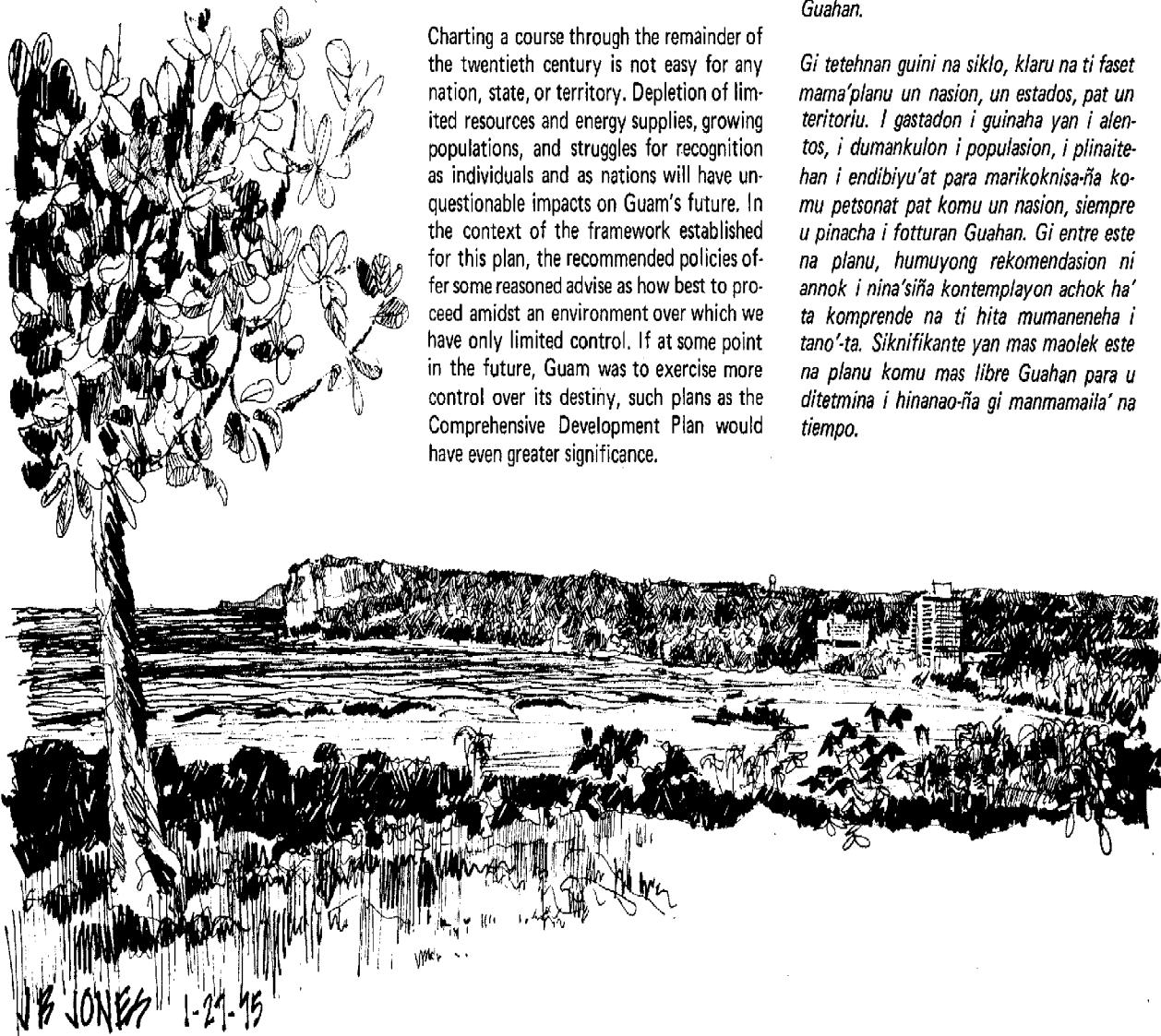
A balanced use of the Territory's land and water resources to accommodate both developmental and conservation needs of the island's residents.

Total self-sufficiency in the supply of energy capable of supporting a high standard of living.



## PURPOSE

Perhaps the greatest value of this plan is its potential for provoking increased awareness and discussion of the most critical issues facing the island's future growth. For individuals responsible for, and interested in, dealing with these issues, the plan offers some recommended approaches. In the consideration or implementation of the recommendations, whether at individual, community or islandwide levels, more effective or less costly solutions or programs may be discovered. Also, more or different issues or objectives may develop. In other words, the planning process will continue.

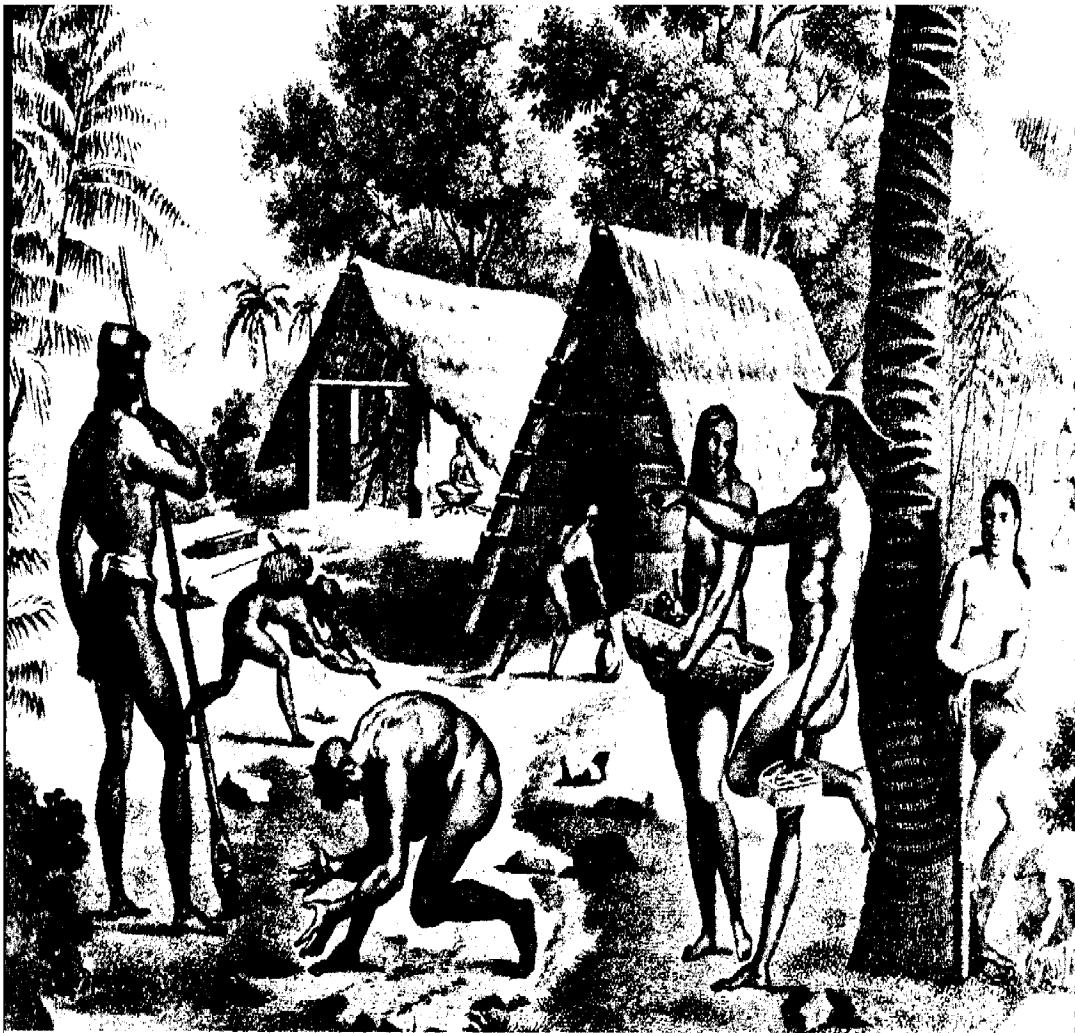


## USON

*Gaige i bali-ña este na planu gi kapasidat-ña para kumaku yan dumekka' i hinasso-ta pot este siha na asunto ni fumafana' i tano'-ta yan i kinalamten-ña. Ayudante este na planu para i manresponsable na endibiyu'at yan i manenterisao nu este siha na asunto. Yanggen ma'implementa pat makonsidera i rekondasian i planu, maseha gi endibiyu'at, komunitat pat enteriru i isla, siña ha' masodda' mas efektibu yan dimenos gasto na sulusion siha. Pusipble lokkue' otro siha na punto yan asunto humuyong ginen este na planu. Pot mas klaru, siempre u makontinua mahassuyi i kareran Guahan.*

*Gi teteñan guini na siklo, klaru na ti faset mama'planu un nacion, un estados, pat un territorio. I gastadon i guinaha yan i alentos, i dumankulon i populasion, i plinaitehan i endibiyu'at para marikoknisa-ña komu petsonat pat komu un nacion, siempre u pinacha i fotturan Guahan. Gi entre este na planu, humuyong rekondasian ni annok i nina'siña kontemplayon achok ha' ta komprende na ti hita mumaneneha i tano'-ta. Síknifikasiante yan mas maolek este na planu komu mas libre Guahan para u ditetmina i hinacao-ña gi manmamaila' na tiempo.*

JB JONES 1-21-95



*Plinentan Arago (Annai matto si Freycinet gya Guahan gi 1819) Sketch by Arago (Freycinet Expedition to Guam, 1819)*

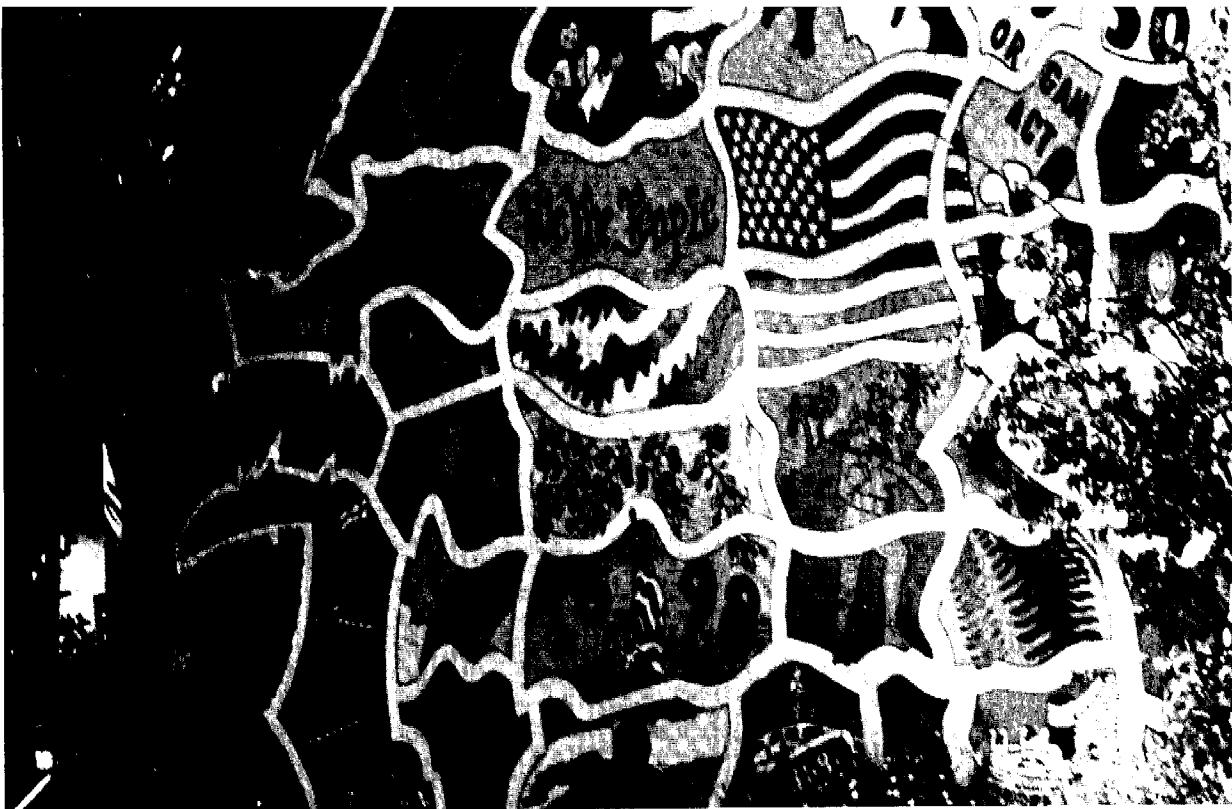


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*I taotao Guahan mali'e' meggai na tinilaika gi sosiadat desde ki matto si Fernando Magallanes gi 1521. I populasion masungon todú i pinadesí desde i okupasion Espaniol, i militat Amerikanu, yan i okupasion i Hapones. I taotao pa'go mafafana' meggai siha na problema espesiatamente i chaddek na matulaikan i sosiadat ginen i fina'lancho esta i siudat annai bula industria ni ti man-mali'e' gi ma'pos na tiempo. Este na kapitulo ha indika et mas dankulo na problema ni fumafana' i taotao Guahan ya ma'indika lokkue' i rekomendasion ni para u alibia yan u fa'molek i problema.*

The people of Guam have witnessed significant changes in their society since Ferdinand Magellan landed on the island in 1521. The population has endured through Spanish domination, an American naval government, and Japanese occupation. The people are now faced with the challenges presented by the problems and issues of a rapidly changing urbanized society. This chapter outlines the most pressing social issues confronting Guam's people and recommends steps to be taken toward their resolution.



**NOTES:**



*I primet na emigrante-siha manhalom ginan i tasi (i mall'e'ña ginan kastilyo yan puetton Humatuk)*  
The first immigrants came by sea (View of Umatac Fort and harbor).



*Desde 1521 na sakkan, kahulo' pat tumunok i linahyan taotao Guahan depende hayi humalom na gubietno gi isla ni dumikta i kondision sosiat, ekonomia, yan pulitikat na banda. Ti apmam despues di manmatto i Espanyot, malingu i podet i Chamorro. I gera, i manmadesteladon Chamorro para otro isla, i manhalom ni tatme na chetnot, i ma'estotban i ekonomia yan i kuttura, todumankontribuyi gi marebahan i populacion Chamorro. Desde 80 mit na kantidan taotao gi 1521 tumunok 90 pot siento gi 17 na siklo. Gi año 1898, annai i Estados Unidos ha chule' Guahan komu patte gi ginanan i gera entre i Espanyot yan Amerikanu, taya' masodda' na unus kuantos mit ha' na Chamorro, i humalom i Amerikanu tumutuhon i ma'umentan i taotao, lao matto ta'llo otro atborotu, i okupasion i Hapones duranten i mina' dos na geran todumankontribuyi.*

Since 1521, Guam's population has diminished or increased depending on the social, economic, or political controls imposed by authorities that have governed the island. The Chamorros lost control over their island soon after the arrival of the Spaniards. Wars, exile to other islands, the introduction of new diseases, and a disruption of the socio-economic and cultural fabric of the island community, all played a significant role in the decline of the Chamorro population. From a population estimated at 80,000 in 1521 there followed a 90% decline by the 17th century. By 1898, when the United States annexed Guam as part of the spoils of the Spanish-American War, the population of the island numbered only a few thousand. American annexation led to a steady increase which was disrupted once more by the Japanese occupation and the events of World War II.

Following World War II, the population increased at an annual rate of 1.2% up to the year 1960. Entry to, and exit from, Guam was subject to strict U.S. military security clearance during this period. However, subsequent U.S. economic and military interests, and involvement in Southeast Asia required a larger population support base on Guam. In 1962, President Kennedy lifted security clearance requirements allowing unrestricted movement to and from Guam. As a direct result, the rate of population growth on the island during the period from 1960 to 1975 was 3.0%. Between 1970 and 1975, this growth was among the highest in the world, 4.3%. Available records show Guam's rapid population increase was largely due to in-migration.

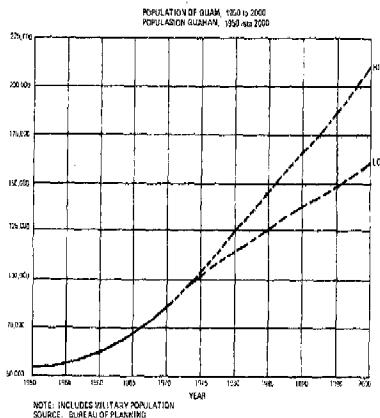
In the last 15 years the actual population has increased 50%. The Bureau of Planning estimates that the island's civilian population will further double itself by the year 2000 if present trends continue. To meet the needs of tomorrow's population, the community, then, must finance the infrastructure from the income of today's population. Land for development and resources are finite quantities on Guam. Thus, population planning to achieve stabilization, without over-taxing available resources is a much more serious concern on Guam than in most other U.S. communities. Guam's dilemma is compounded by the fact that we still have little control over unpredictable in-migration to the island.

*Despues di i sigundu na gera, kumahulo' i populasion 1.2 mas pot siento kada sakkan asta 1960. Guini na tiempo, estriktu i areklamento ya taya' siña humalom yan humu-yong Guahan sin ma'apreba ni i militat. Lao, ti apmam despues manesisita mas taotao giya Guahan para u supotte i interes i Estados Unidos yan i militat giya Asia, kolo-lo'-ña gi Vietnam yan Indochina. Humu-yong gi 62 na sakkan ha hatsa si Presidente John Kennedy i prohibision i manhalom otro na klassen nacion gi isla. Pot faset esta humalom Guahan, kumahulo' i populasion entre 60 yan 75 na sakkan gi 3 pot siento. Entre 70 yan 75 na sakkan tumahyok i kantidan taotao gi isla 4.3 mas pot siento ya manota komu unu gi mas takhilo' na kumahulo' petsentahi gi todú i tano' siha. Annok gi guaha siha na dokumento na i chaddek na ma'uumentan i populasion Guahan ginen i taotao otro lugat ni manhalom gi isla.*

*Gi 15 años ha' ni maloffan, kahulo' i populasion gi 50 pot siento. I Bureau of Planning makatkula na i populasion gi entre i sibit siña ha' dumopble gi año 2000 komu sigi ha'mo'na makontinua este na direksion. Yanggen para u maprobeniyi i nesidad i manmamaila' na tiempo, i komunitat siempre u na'guaha ayu siha et mas nesiaru gi lina'l'a' i linahyan ginen i kopble ni mana' halom ni populasion pa'go na tiempo. Gai hinekok i guinahan i tano' ni para u ma'adilanta i isla. Pot este na rason, mas iya Guahan ki komunitat gi Estados Unidos debi di u plane'a para u na'siguru i lina'l'a' i taotao gi manmamaila' na tiempo sin u lachai yan u despetdisia i guinahan i isla. Mas makkat i probleman Guahan sa' taya' siña ha sangan pot hinalom otro siha na klassen taotao gi isla.*

*Desde i 70 asta i 75 na sakkan ma'uumenta i petsentahi i populasion Guahan asta 4.3 pot siento, unu gi mas takhilo' gi todú i tano'.*  
Between 1970 - 1975 Guam's population growth rate was 4.3% – among the highest in the world.





Sinhuenta pot siento gi populasion Guahan menos ki 19 años na edad,  
Fifty percent of Guam's population is below 19 years of age.

**POT TAYA' EKSAKTU NA ENFOTMACION POT I POPULASION MAPOT MAPLANE'AN MAOLEK PARA I MAMAMAILA' NA TIEMPO.**

*Enfotmasion pot i populasion siña ha indika hafa para u masusedi gi manmamaila' na tiempo signun gi i maripara na pasu pat eksperensiya gi manmaloffan na tiempo. Ginen i manota na eksperensiya siña masuponi meggai na ideha na u fatto pat u masusedi. Manu na esta ma'establis hafa siha i masuponi pues siña makatkula hafa humuyong gi manmamaila' na tiempo.*

*Guaha unus kuantos na enfotmasion pot i manmamaila' na populasion Guahan. Lao kahna' ha' ti siña mana'setbe i numirun tao-tao ni makatkula sa' apmam-ña ki u huyong i enfotmasion ki u matulaika. Sin kabales na enfotmasion, sin areklamenton i federat, i sesso na matulaikan i kinalamten i militat, i turista yan i nuebu siha na kinalamten gi ekonomia na banda, mapot dinanche yan kabales i enfotmasion pot i populasion. Gof mapot maplane'a para i manmamaila' na tiempo yanggen taya' eksaktu estimasion i populasion. Mapot maditetmina kao na-hong i fasilitat i pupbliku pa'go yan i mahahasso para i manmamaila' yanggen ti matungo' kuanto na taotao para u nina'setbe i fasilitat pupbliku.*

*I sensus i Estados Unidos gi 1980 maolek na u ma'usa para u machule' todū i nesisariu na enfotmasion. Mampos empottante na i gubietno u dirihi todū i nina'siña-ña ya u rikohi eksaktu na demografia gi 1980.*

**THE LACK OF ADEQUATE POPULATION PROJECTIONS HAMPERS IMPROVED PLANNING FOR GUAM'S FUTURE.**

Population projections predict future trends and are based on a set of assumptions selected with reference to trends of the past. Alternative assumptions are often made to provide a range of outcomes. Once the assumptions are established, the calculations can proceed to make projections for the future.

Several population projections are available for Guam. However, these estimates have questionable utility due to the quickly changing realities. The absence of an adequate data base, federal immigration policies, fluctuations in military operations, tourism, and the generation of new economic activities, account for their limited utility. It is difficult to plan in the absence of an accurate population projection. Determining the adequacy of existing and proposed public facilities for the future population is difficult when the number of people they must accommodate is not known.

The 1980 U.S. Census will provide a unique opportunity for Guam to accumulate all the necessary information. It is most important that the government's efforts be directed towards an accurate collection of 1980 demographic information.

*Desikna un ahensian gubietno ni para u responsable rumikohi todū enfotmasion pot i populasion tantu i manmamaila, manmatai, manasagua, yan otro na klassen demografia ya u analisa i enfotmasion siha.*

*Usa i sensus i 1980 ya u machule' eksaktu na enfotmasion, u makatkula i pa'go na populasion yan i manmamaila' na tiempo gi todū patte gi komunitat i isla.*

*Gagao i ofisinan federat, Bureau of Census na u mana'e Guahan ni todū i enfotmasion ni machule' gi 1980 na sensus kosa ki siña i gubietnon Guahan ha analisa yan ebalu'a i guaha na enfotmasion.*

Designate a government unit with the major responsibility of collecting and analyzing demographic information.

Utilize the 1980 Census to generate an adequate demographic data base for current population estimates and future projections, at all community levels.

Request the federal Bureau of Census to provide Guam with the raw data from the 1980 Census to permit a local evaluation of the available information.



## GUAM'S CURRENT POPULATION GROWTH TRENDS WILL CONTINUE TO CREATE INCREASING PRESSURES ON LIMITED RESOURCES AND CURRENT LIFESTYLES.

Guam is a small island with limited resources and a delicate natural balance. For every 100 people in 1960 there were 150 in 1975. Guam's average population density of 457 persons per square miles is comparable to many densely settled countries in Asia and Europe. The density of the northern half of the island approaches 685 persons per square mile.

The stress created by rapid increases of the population and high densities is already apparent and will continue to worsen. Although population planning can never become a substitute for structural changes in the economic system, stabilization of Guam's population will be necessary. The government can then concentrate on more equitable distribution of the available wealth and resources among all island residents.

The number of employable people continues to increase faster than the ability of Guam's economy to create jobs. A large percentage of jobs are held by alien immigrant workers because they are less costly to employ. However, unemployment will continue to rise and there will be more competition for those jobs that are available for the local people. Guam's out-migration of educated residents and professionals to the U.S. mainland will also increase. There is also a fear that the Chamorros may become, like the Hawaiians, a minority in their own land.

Increasing pressure on limited land, water and other natural resources, can result in diminishing agricultural lands, reduced open space, and the disruption of the fragile natural balance of the island's resources. This will not only lead to increasing pollution, but also to further congestion. It may further weaken Guam's ability to finance, maintain and develop facilities and services such as police protection, schools, roads, bridges, housing, sewer and water systems, and health care for its population.

*Hasuyi estreheia ni siña sumostieni i linahyan taotao signu gi guinahan i isla.*

*Na' makomprende i kapasidat i isla ni para u probeniyi i ma'umentan i populasion.*

Develop a population strategy which attempts to influence population growth within the context of available resources.

Foster an understanding of Guam's capacity to accommodate population growth.

## I MA'UMENTATA-ÑA I POPULASION PA'GO GUAHAN HA EFEFEKTA I LINA' LA'I TAOTAO YAN I GUINAHAN GUAHAN.

*Dikike' Guahan ya didide' guinaha-ña. Mapot mana'afakcha' i linahyan taotao yan i nesidad-ñiha. De kada 100 na taotao gi 1960, guaha 150 gi 1975. Makatkula na gi kada kuadra miya guaha 457 na petsona mañasaga. Siña ma'akompara este yan i motmot na linahyan taotao gi tano' Europa yan Asia. I minetmot taotao gi bandan san lagu gi isla kahuhulo' gi 685 petsona gi kada kuadra miya.*

*Esta annok i dañu pot i ma'umentan i populasion yan i minetmot taotao siha gi lugat ya i kondision sigi ha' di lumababa. Achok ha' maplane'a para i kantidan taotao, ti siña ta kuentayi i matulaikan i estrokturan i ekonomia, nesariu ha' na u ma'atahi i kumahulo' i populasion. Ayu na siña i gubernetro ha patte o distribuyi i rinkesa o guinaha parehu entre i residensian Guahan.*

*I numirun taotao ni siña ma'emplea sigi ha' hulo' chaddek-ña ki i abilidat i ekonomian Guahan u na'guaha cho'cho'. Dankulo na petsentahi gi che'cho' magotte ni taotao hiyong estranheru sa' menos gasto ma'emplea i estranheru. Lao, sigi ha' hulo' ma'umenta i petsentahin ti manma'emplea, ya makkat i kompetision para ayu siha na cho'cho' ni guaha para i taotao i isla. I manhanao manedukao na residensian Guahan guatu Amerika sigi ha' ma'umenta lokkue' ya saonao este gi rason na manmakokonne' i taotao hiyong para u fanmacho'cho' guini. Guaha lokkue' linihan entre i Chamorro siha na u fan huyong kalang i Hawaiians na siha siña u fan minoria gi tano'-ñiha.*

*Yanggen sigi ha' mapongga i guaha na tano' hanom yan otro naturat na guinahan i isla' tieneiki humuyong marebaha i lugat para agrikutura, marebaha i mababa na lugat, yan tieneiki inestotba i gof dilikao ni naturat ni muna'balansa i guinahan Guahan. Ti u ma'umenta ha' i inaplacha' lao u ma'umenta lokkue' i minetmot taotao yan otro kosas siha. Este siña mas muna'pedde i abilidat Guahan para u magastayi, u sustieni yan u atbansa i fasilitat yan setbisu tat komu proteksion gineng i polisia, eskuela, chalan, tollai, gumá', sisteman hanom yan i ma'adahin i salut i taotao ni mañasaga Guahan.*

*I MA'UMENTAN I POPULASION  
SIEMPRE MAKKAT PARA I DIDIDE' NI  
GUAHA NA HANOM.*

*I guinahan hanom Guahan unu gi i kosas ni gumogotte' i finalagugu-fia i isla. Makatkula na i siña malupok na hanom gineng i papa'i edda' gaige gi 50 miyon galon gi dia yan 17 miyon galon gi dia gineng i hilo' tano'.*

Gi este ha' i resente na estudiu makatkula na yanggen mas ki 50 miyon galon gi dia machuchule' ginen i matan hanom gi san lagu na banda (ni ha kukubre 90 pot siento gi nesisidat i isla) i hanom tasi siña humalom ya ha tatme i matan hanom gi papa' tano'. Kada ma'usa i tano' gi ti maolek na manera mas chaddeki kontaminasion.

*Pa'go, i ma'u'usa na hanom giya Guahan gaige entre 26 yan 29 miyon galon gi dia. Gi totat 43 - 48 pot siento ma'u'usa ni militat. Desde 1966 asta 1976 na sakkan kahu-lo' i ma'usan i hanom 3.5 mas pot siento. Sigi ha' este kumahulo'. Pot i ma'usan hanom dinitetimima ni i ma'umentan i populasion, i kapasidat i isla na u probeni hanom u hokkok gi 25 años na tiempo.*

YANGGEN TAYA' SUHETA NI I MAN-HAHALOM NA TAOTAO GINEN HI-YONG TIENEKI MOTMOT I ISLA YA GUAVA SIEMPRE MAS PRUBLEMA.

I mana'suha na areklamiento pot manhalom estranheru gi 1962 ha umenta i kantidan estranheru yan siudadanun Estados Unidos ni manhalom Guahan. Mas empottante, ha petmiti i manma'gas na u fan makonne' halom baratu na hotnaleru siha ginen sanhi-yong. Macho'gue este para u marebaha i gaston manhsatan guma' yan i fasilitat yan setbisiu ri para u sustieni i kinalamten i militat gi 60 asta 70 siha na sakkan. Mas guaguan yan anakko' na tiempo tinaka' yanggen para u fan mafa'na'gue cho'cho' i taotao i isla osino ma'impotta hotnaleru ginen Amerika. I kondision i ekonomia, i kantidan mamopble yan i kantidan taotao gi tano' Korea yan Philippines umepok mas i estranheru na u fan matto guini ya despues man tinattiyi ni familian-ñiha ya mañaga petrnanente.

Annak gi enfotmasion ni guaha na gi 75 na sakkan 7 mit na Amerikano mañasaga Guahan yan kuentan 21 mit na militat yan i familian-ñaña. I Filipinos masodda' Guahan kombineente para u fañaga sa' hihot yan

**INCREASING POPULATION WILL  
PLACE PRESSURE ON GUAM'S LIMIT-  
ED WATER SUPPLY SOURCES.**

The availability of water is one of the major constraints to the island's continued growth. The estimated dependable yield of water on Guam is 50 million gallons per day (mgd) from groundwater sources and 17 mgd from surface water sources.

Recent studies estimate that if more than 50 mgd is drawn from the northern water lens (which supplies almost 90% of current island needs), salt water may be drawn in and contaminate the underground lens. Improper land uses can accelerate contamination.

Currently, the water consumption on Guam is between 26 and 29 mgd. Of this, 43-48% is consumed by the military. From 1966 to 1976, water consumption increased 3.5 times. This rate continues to increase. Since water consumption is determined by population growth, the island's supply capacity will be reached within the next 25 years.

**CONTINUING LACK OF CONTROL  
OVER IN-MIGRATION TO GUAM IN-  
CREASES POPULATION PRESSURES.**

Lifting the security clearance in 1962 had the effect of increasing the rate of migration into Guam by aliens and U.S. citizens. More importantly, it permitted the authorities to bring in less costly alien labor. This was done primarily to reduce construction costs and help build the infrastructure needed to sustain operations of the U.S. military in the 1960's and early 1970's. To train local people or import mainlanders to a hardship station would have been much more costly in terms of money as well as time. The economic conditions, poverty and large population bases, in countries such as Korea and the Philippines, provided an inexhaustible source of labor. Many of these workers stayed or returned to settle, and in time were joined by others.

Recent statistics show that in 1975 there were approximately 7,000 mainland civilians residing on Guam (in addition to the approximately 21,000 military and dependents). Immigrants from the Philippines, where the average daily wage approaches

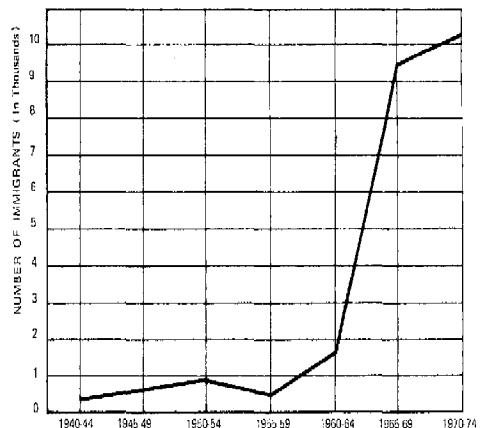
*Ripara i didide' na guinahan hanom para u  
tinaka' i nesisidat i taotao gi manmamaila'  
na tiempo.*

Recognize the limitations of Guam's water supply to meet the future demand of the island's population.

## **Immigration Is Problem In Guam, V.I.**

PACIFIC DAILY NEWS, Thursday, March 30, 1978—Page 21

INTERNATIONAL IMMIGRATION TO GUAM, 1940-1974  
(5 YEAR INTERVALS)  
EMIGRACION PARA GUAMAN DIBEN DIFERENTES NACIONES, 1940-1974  
(CADA SINKO AÑOS)



1974 Annual Report: Immigration and Naturalization.  
Note: From 1970-1974 10,377 immigrants were admitted  
to establish permanent residency on Guam.

Source: 1970 Population Census Report

*Na'guaha lai yan areklamento ni para u ekuti i manhalom nuebu na residensia yan hotnalerun estranheru.*

*Gagao i gubietnon federat ya u laknos areklamento ya u fan mapatte i estranheru gi estados yan teritoriu siha.*

*Fandaña' yan Hawaii yan i Virgin Islands ya gagao i federat mas asistensia para i estados yan i teritoriu siha ni kumakatga mas na estranheru yanggen para u makompara sigun gi dikike' lugat yan populasion.*

Seek legislative and other means to regulate the rate of migration of new residents and alien labor to Guam.

Seek and encourage federal actions which will promote a more balanced distribution of immigrants among the nation's states and territories.

Seek in cooperation with Hawaii and the Virgin Islands an increase in Federal assistance for states and territories which receive a greater proportion of foreign immigrants relative to their size and population.

the U.S. minimum hourly wage, have found Guam a convenient place to settle and within the reach of their travel budgets. There are currently more than 10,000 permanent resident aliens on Guam, 70% of whom are Filipinos; and several thousand citizens of Filipino descent whose parents are permanent resident aliens.

This past immigration policy may have been economically prudent. However, it was established without consideration of its ultimate social, cultural or political impact. Currently, control of in-migration to Guam is limited. Even though the birth rate and family size is decreasing, unemployment is high among local residents. More significantly, records indicate that during the past 15 years, this uncontrolled migration to Guam is among the most important factors in the rapid population increase rate of 4.3% annually. The effect of the immigration policies have now become the cause for their continuation.

Although there are basic constitutional issues involved in seeking local control over immigration, Guam is not alone in its predicament. Hawaii and the Virgin Islands face the same problem, though less serious than Guam's. As in the past, pressing economic considerations should be the dominant factors. The only difference now is that the current and future populations of Guam will be the beneficiaries.

*baratu i biah magi Guahan. Guaha pa'go 10 mit na estranheru ni mañasaga petmamente gi isla setenta pot siento mantagalo yan i otro mit siha famaguón tagalo ni nina' fanhalom ni mañainan-ñiha komu petmamente na residensia.*

*Este i manmaloffan na areklamenton emigracion siha ta alok na sanu para i ekonomian i tano', lao mäestablisa sin makonsidera hafa para humuyong-ña i lina'lá' gi sosiat, kuttura, yan pulitikat na banda. Esta pa'go tataya' ha' podet gi para mahuchom i puetto para taotao hiyong. Maskesha marebaha i manmafañañagu yan i dinankulon i familia, takhilo' ha' i taya' hotnat-ñiha na taotao. Gof annok gi guaha na dokumento na gi manmaloffan na 15 años i et mas empottante na rason para i 4.3 pot siento na ma'umentan populasion kada sakkan gaige gi manhalom i estranheru sin hafa na areklamento. Pot taya' areklamenton emigracion, humuyong taifinakpo' i hinalom estranheru gi isla.*

*Maskesha guaha problema gi konstitusion na banda para Guahan u gotte' i podet pot emigracion, ti Guahan ha' gaige guini na estao. I Hawaii yan i Virgin Islands ma'ekspererensia parehu na problema lao menos ki Guahan. Tantu i manmaloffan na tiempo yan pa'go etmas empottante na konsiderasion i ekonomia na banda. I diferensia pa'go gaige na i manlalá'lá' yan i populasion gi manmamaila' na tiempo siha rumisisibi i resultan i che'cho' yan diskuidon i manmaloffan na manma'gas i isla.*

*I MATULAIKAN I ESTROKTURAN /  
EDAT I POPULASION SIEMPRE HA NA'  
GUAVA NUEBU NA PRUBLEMA.*

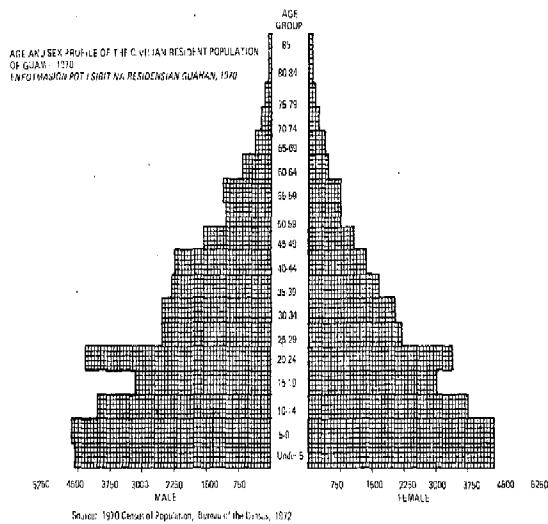
*Fuera di i manhalom i estranheru, i populacion matulaika kada guaha mafañagu yan matai. Este i petsentahi na manmatañagu yan i manmamatayi edat i populacion gof empottante makonsidera gi planu para i manmamaña' na tiempo. I manmatañagu, i manmamatayi kantidan membros gi familia marebabaha kada mit na taotao. Sinkuenta pot siento gi sibit na populacion pa'go menos ki 19 años na edat ya menos ki 10 pot siento 55 i tantus edat-niha. I sustansian-ña este na enfotmasion serioso gi konsiderasion i sosiat yan i ekonomia na banda.*

*Marebabaha despasio i kantidan manmatañagu yan i membros gi familia pot rason na i famalao'an ma'eksamimina fonksion-ña ha gi familia, gi sosiadat, i klassen yan presiun guma', i suetdo, yan i marebahan i dinaña' i dankulo na familia. Todu este na enfotmasion mana'afakcha'. I mientras mas na opottunidat guaha para i lalahi yan i famalao'an, mas guaguaha kompetensia ya annok hayi mas takhilo' nina'siña-ña ya este na kondision indirektamente lokkue'nina' menos i minetgot yan i dinaña' gi familia. Ayu i esta lista na guma' ni manmahatsa ha na'pusible na u chapak siha i manasagua gi familian-ña ha yinilang i kustum-bren sumensaga'. Pues humuyong i mapulan yan i manmapoksa i famagu'on ma'apagayi ni propiu mañaina sin ayudiginen i manparientes ni mandadaña'.*

**THE CHANGES IN THE AGE GROUP  
DISTRIBUTION ON GUAM WILL  
CREATE NEW PROBLEMS ON THE  
ISLAND.**

In addition to migration, the island's population is a function of birth and death rates. These rates and the predominant age of the population are of critical importance to future planning efforts. The death rate, the birth rate, and family size per 1,000 persons is decreasing. Also, 50% of Guam's current civilian population is less than 19 years old and less than one tenth of the population is over 55 years old. The social and economic implications of these simple facts are serious.

Birth rates and family sizes are decreasing slowly due to the changing views of women regarding their roles in the family and society, the type and cost of housing, changing sources of income, and the reduction of extended-family ties. These factors are closely interrelated. The greater variety of career opportunities recently made available to both men and women tend to emphasize individual accomplishment, thus indirectly deemphasizing family ties. Commercially-constructed single-family dwellings offer housing choices outside the family. As the extended-family system loosens, the obligations of caring for children fall increasingly on individual adults (rather than the group), making increases in family size a more identifiable burden for each couple.



*Na'guaha planu yan programma ni siña māusa i manhoben gi i manggai'produktu na cho'cho' gi isla.*

*Na'e empeñu gi ekonomia na banda para u abiba na u fandaña' i parientes komu un familia.*

*Munga maplane'a programma ni para u yinilang i kustumbre yan tradision i residensian i isla.*

*Gagao i gubietnon federat ya munga ma' aplika hafa siha na areklamento ni para u inestotba i manmaolek na tradision i isla.*

Develop programs and plans which engage the younger segment of the population in productive island activities.

Encourage economic and other incentives for the maintenance of extended families.

Avoid projects and plans which endanger retention of certain social and cultural traditions of island residents.

Obtain exemptions from federal requirements which tend to cause the disruption of certain social and cultural traditions.

The marked youthfulness of Guam's population has resulted in higher unemployment because the economy has not absorbed the new entrants to the labor force. This is caused not only by the large number of young people but also by the low number of new retirees. The work force in the local economy is primarily drawn from the 20-55 age group. This group represents 40% of the population. But over the next twenty years, new workers will come from the 0-19 age group which represents 52.3% of Guam's population. Given the relative sizes of these age groups, the Guam economy must absorb new workers at more than one-and-a-half times the national rate. Already the difficulty of this task is illustrated by December 1976 unemployment statistics which show that 50.2% of those unemployed were between 16-19 years; 12.1% were between 20-26 years while unemployment was only 7.3% in all other age groups.

Within the next 10 years the problems of the aged will be keenly felt on Guam. The fact that there has not been an old age problem on Guam is more of a function of the island's culture rather than its age distribution. On Guam, older people have always had a home in the extended family and performed important and useful roles. However, as more of the traditional cultural values of the community are lost, the problems of the elderly will emerge as a serious social issue.

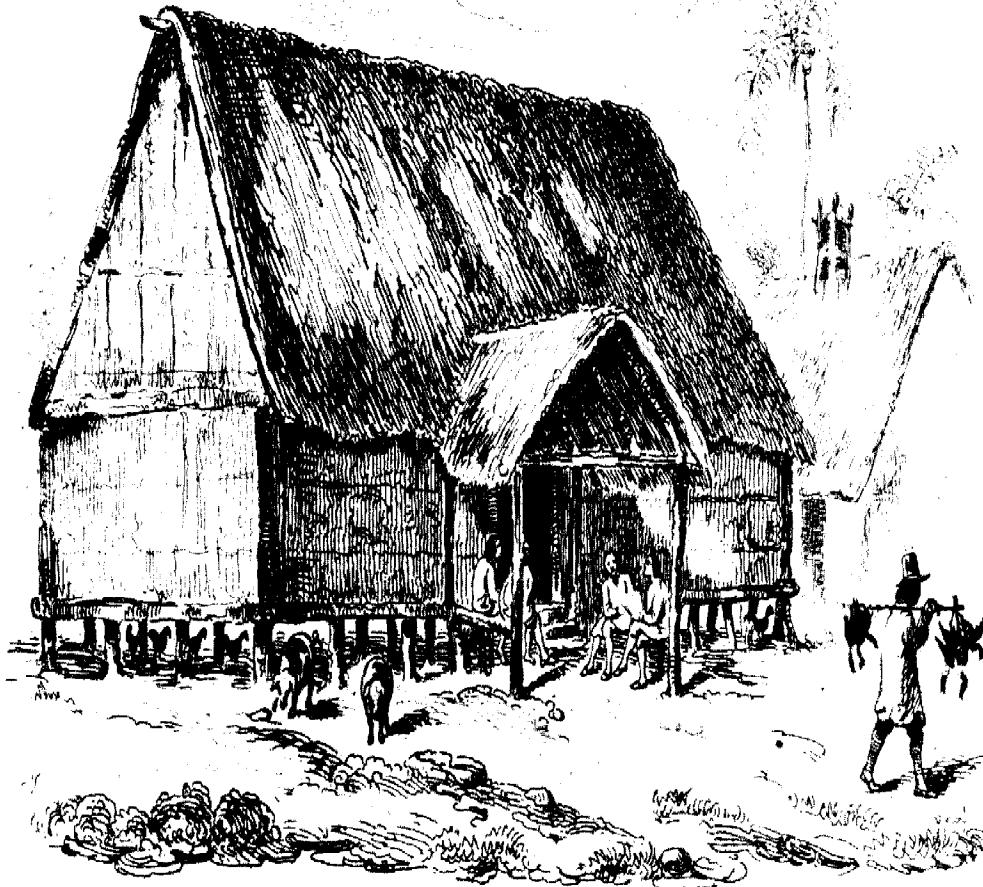
The traditional roles of the elderly are threatened by smaller family sizes and decreasing birth rates. New residential construction, often financed by federal agencies and built to specifications, contributes to this trend. These dwellings, to be typhoon resistant, are concrete; thus, they are not easily modified as the wooden houses of the past. Minimum lot sizes do not allow for the steady expansion of the household, or the clustering of houses, common in the past.

*Maskeseha gof annok na dankulo i kantidan manhoben gi populasion, takhilo' i taya' hotnat sa' i ekonomia ti siña trabia ha kubre i nuebu na entrante gi che'cho'. Este resutan i dankulo na grupun i manhoben yan i didide'ha'na manritirao. I mangga'cho'cho' gaige mas gi grupun 20 asta 55 na edat. Este na grupu ha reprisesenta 40 pot siento gi populasion. Bente años ta'lo na tiempo i nuebu na hotnaleru siempre ginen i populasion ni pa'go man 0 asta 19 na edat. Este na grupu pa'go marepresenta 52.3 pot siento gi populasion. Yanggen makonsidera este na minagahet, pues nesista i ekonomian i isla u kubre este na grupu 1-1/2 buetas mas ki i finalagun Amerika. Esta a'annok ha' i problema sa' gi Disiembre gi 76 na sakkan na entotmision annok na 50.2 pot siento ni mannaiche'cho' man ginen i grupun edat 16 asta 19, 12.1 pot siento ginen grupun edat 20 asta 26, lao 7.3 pot siento ha' mannaiche'cho' gi todú otro siha na edat.*

*Gi 10 años na tiempo i problema pot i manamko' siempre magof' siente guini giya Guahan. Ti pot meggai i manamko' gi isla na ginen taya' problema lao hagas kustumbre na i familiar-ñiha u fan inadahi. I manamko' siha gogof manmanayuda gi familia gi empottante siha na cho'cho' guma'. Komu sigi ha' mo'na matulaika i kustumbren Chamorro ya malingu i manmaolek na tradision yan kuttura siempre humuyong dankulo i probleman i manamko' gi sosiadat.*

*I hagas estao yan machocho'gue ni manamko' malilingu sa' lumala dikike' i linahayan i familia yan lumala didide' i manma'fañañagu. I nuebu na hinatsan guma' ni ma'ayuda ginen i federat ya mahatsa sign i areklamento-ña, unu gi rason ni yumayamak i kustumbe na u fan sensaga i manamko' yan i famagu'on-ñiha, Mahatsa i gima' paddet sa' mana'fitme para munga na u yinilang ni pakyu ya ti siña chaddek ma'umenta taiguihi i gima' tapbla. Dikike' lokkue' i sulat ya ti siña matotchi mas i gima' o manhatsa otro siha guma' gi uriya taiguihi i antes na tiempo.*



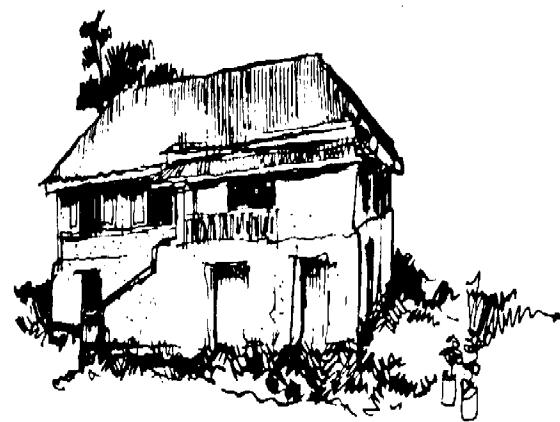
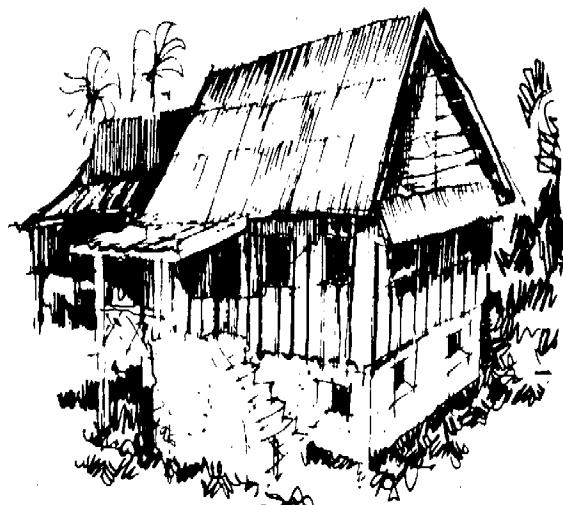


*Pinentan guma' Chamorro ginen I lepblo' Dumont d' Urville gi 1835 ni mafanana'an "A Voyage Around the World".  
Sketch of Chamorro House from Dumont d' Urville's 1835 book "A Voyage Around the World."*

*Maskeseha esta lamaolek i kondision yan mas meggai na guma' guaha pa'go, i kahulo' i presiun guma', i atkilet, yan matiriat para manhatsa guaguan ya ti libianu na u mana' lamaolek pat ma'umenta i gima'. Muchumas, i taotao Guahan nesista tres buettas mas na mineggai guma' ki pa'go yanggen dumopble i linahyan taotao Guahan gi 20 años na tiempo. Para u makubre i dankulo na populasion yan i nesisidat i gima' siha, nesista u masodda'sulusion pat u ma'alibia i problema.*

Although the condition of the island's housing stock has improved in recent years, significant increases in the cost of purchasing, renting and improving homes will hinder additional improvements. Furthermore, Guam's residents will require three times the current number of homes if the population doubles during the next twenty years. To meet these and other housing needs, basic housing problems must be resolved.





FUTURE HOUSING DEMAND I KANTIDAN GUMA'SIHA NI MANESISTA GI MANMAMAILA'NA TIEMPO			
POPULATION	TOTAL DEMAND	NUMBER OF SINGLE-FAMILY DWELLING UNITS	NUMBER OF MULTI-FAMILY DWELLING UNITS
89,600	21,026	14,406	6,620
104,956	24,956	15,972	8,984
128,982	32,322	19,070	13,252
157,352	41,698	22,517	19,181
186,000	52,328	26,687	25,641
214,000	64,200	31,458	32,742

Source: Residential Development Policy Report, 1976

**MEGGAI NA FAMILIA SIEMPRE TI  
MANA'SIÑA MANMAMAHAN O MAN-  
MANATKILA DISENTE, FITME, YAN  
SANIDAT NA GUMA'SIHA.**

**MANY HOUSEHOLDS WILL NOT BE  
ABLE TO PURCHASE OR RENT  
DECENT, SAFE AND SANITARY  
HOMES.**

*Guaguan mamahan guma' pa'go yan mas guaguan gi manmamaila'na tiempo mientras sigi ha' hulo' i presiun tano', hotnaleru yan matiriat. Lumaladidide' ha' na familia, espesiatmente i manhoben na mangasao, mana'siña mafahan i sinsiyu na klassen guma' para i familia. Ayu siha na familia i menos ki 15 mit pesos na suetdo gi sakkan mapot man mamahan guma' gi pa'go na tiempo.*

*I banku siha ni munana'ayo kopble unu na rason na kahuhulo' i presiun guma'. Ahe' ti maditetmina ha' i kuanto para u ma'apasi kada mes lao maditetmina lokkue' hayi siña ma'apreba na u mana'ayao kopble yan u fan hatsa guma'. Meggai beses na ayu i manmalago' manggaiguma' disente, taya' nina-siñan-fiha ya mañaga ha' gi ti maolek na guma'.*

*Sigun i prinideksion gubietno, siempre mas madimanda i gima' siha ni para u ma'atkila. Achok ha' nahong guma' atkilet siha para i prisente na nesisidat, meggai guini komu ti man sen guaguan, baba dimasiao kondision-ñiha. Entoses, i familia ni takpapa'suetdon-ñiha u sigi ha' numesista ayudu para u fanggai liniheng maolek.*

Buying a home is expensive today, and will be more expensive in the future, as land, labor and material costs increase. Fewer and fewer households, especially young households, will be able to afford the cost of single family homes. Generally, those households earning annual incomes below \$15,000 cannot afford to purchase homes on today's market.

Financing is a major contributor to increased housing costs. This not only determines the monthly mortgage payments but also determines eligibility for the available housing programs. In many cases, prospective homeowners are forced to live in substandard homes.

Government projections indicate that there will be an increased demand for rental units. Although there are enough rental units available to satisfy existing needs, many are either too costly or in poor physical condition. Consequently, households in the lower income ranges will continue to require assistance in obtaining standard homes.



*I gima' Hagatña siha antes di l gera.  
Housing in old Agana before the War.*

*Espia otro klassen planun guma' ni gubietno ni siña mahatsa fitme kosa ki u tunok papa' i presiun manhatsan guma'.*

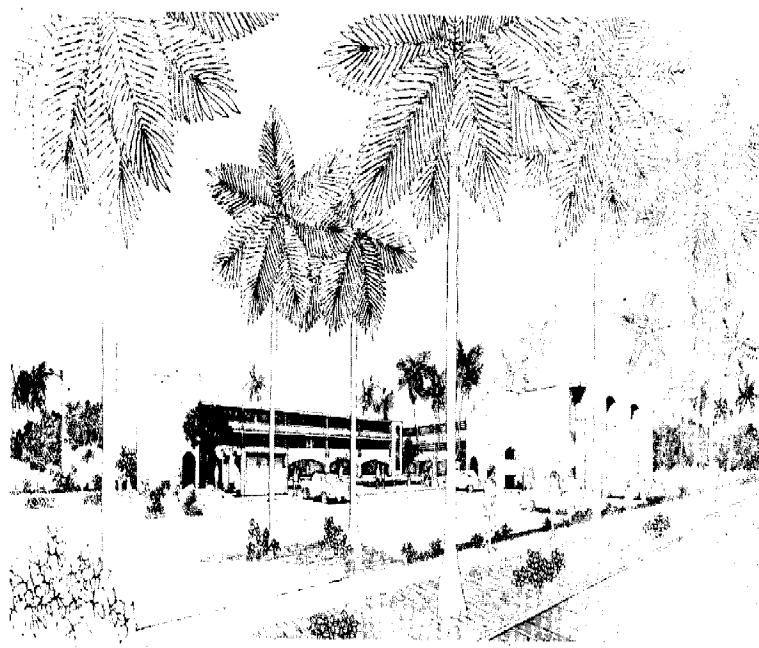
*Espia kao siña magarantia i atmonedan guma' kon ayuda ginen i programman gubietno gi Home Loan.*

*Abiba i ma'umentan guma' pubbliku siha na programma espesiatamente ayu i ma'asiste ni federat gi adilanton komunitat yan i atkilet na programma.*

Increase government efforts in reducing construction costs by encouraging the investigation of safe alternative housing designs and construction techniques.

Investigate the possibility of guaranteeing home mortgages in conjunction with the government's home loan program.

Encourage the expansion of public housing programs particularly through federally-assisted community development and rental subsidy programs.



**BLACKFIELD CONDOMINIUM**

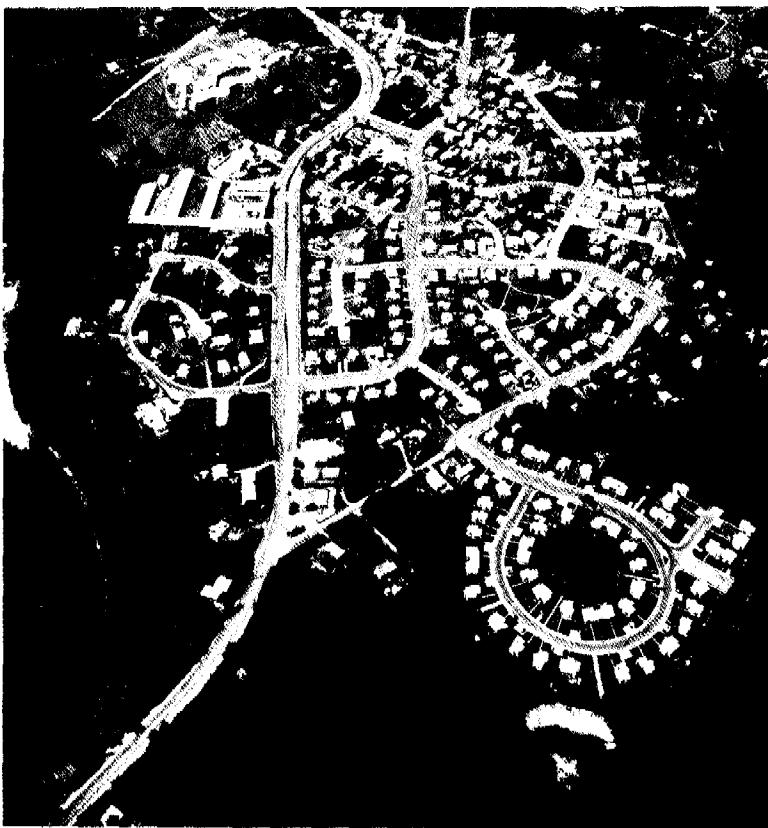


*Sagan guma' gliu Y-Papao,  
Residential area Y-Papao.*

*Guma' siha para meggi na familia gliu Nimitz.  
Apartment Housing, Nimitz Towers,*

*Planun mana'daRa' na liheng taotao.  
Single-family cluster housing.*





*I adilanton manakihot siha na guma' ni baratu atkilet-ñiha giya Yoña.*  
Low-rent cluster development, Yona,

**I MANMALALAKNOS NA PADRON  
GUMA' DEBI DI U AYA YAN I NESISI-  
DAT I ISLA.**

*Guaha na lugat gi isla annai meggai guma'  
siha, ti gef maolek este na klassen ma'usa-  
ña i tano' achok ha' meggai na benifisiu-  
guini na padron lina'la'. I bintaha siha,  
ninana'e i taotao opottunidat para u  
ekspresa i minalago'-ña, bunitu para  
mamoksaí famagu'on, maolek para yanggen  
malago' mama' ganansia despues, yan nina'-  
e opottunidat i taotao na u saonao ya u  
patte gi komunidat. Achok ha' un guma'  
para kada familia mas maguaya pa'go, ma-  
mamaila' annai i gima' para meggai na fami-  
lia siempre u ma'aksepta mientras ha' kahu-  
hulo' i presiun sulat tano', yan i gaston i  
mahatsan guma'.*

*Para u ma'asigura na u adanche i padron  
guma' yan i nesisidat i taotao yan i mao-  
lek ma'usan-ña i tano', dos na rekomen-  
dacion u makonsidera. Unu, abiba u mana'  
fan mahatsan grupun guma' gi un lugat kon  
kondision na u guaha fasilitat tat komu-  
guaha hanom yan tubon inaplacha'.*

#### **EMERGING RESIDENTIAL DESIGN PATTERNS MUST REFLECT LOCAL NEEDS.**

Although in parts of the island, low-density, single-family living is not the best use of our land resources, it has provided many benefits which have increased its desirability as a living pattern. Included among these benefits are: the opportunity for self-expression, an attractive child-rearing environment, an economic investment, and an attachment to the community. Although single-family living will continue to be the preferred pattern, the trend toward multi-family living will increase steadily as the cost of land and residential construction continue to rise.

To ensure that residential patterns reflect local needs and efficient land use, two basic approaches to residential construction are recommended. First, cluster housing should be encouraged, provided that adequate sewer facilities are available.



*Na'siguru na yanggen mahatsa i gima' para unus kuantos na familia todū konsiderasian u mahasso ni para u abiba i kuttura, i dinan'a yan i na'famaolek entre i bisinu siha.*

*Abiba i ideha na u fañaga i manamko' guhi na Jugat annai siña mamma'usa i talenton-niha.*

Ensure that desirable cultural characteristics be retained through the proper design of cluster developments and by ensuring that social and environmental considerations are addressed in the design of multi-family units.

Encourage that the elderly reside in environments that assure the use of their talents in Guam's cultural growth.

Second, multi-family units such as apartments and condominiums should be designed to provide opportunities associated with single-family living. Open and common spaces, recreational areas and other considerations that encourage residents to interact should be provided.

Of particular interest is the growing public responsibility for housing senior citizens because of the extended families' inability to provide for elderly needs. Although this group will continue to require public assistance, there is a tendency to lose sight of the tremendous contributions that the elderly can provide, particularly in the growth and development of our children.

*Sigundu, i gima' ni mahatsa para mas ki un familia taiguahi i apartment yan i condominium u makonsidera todū opottunidat yan bintaha ni gaige gi situasion i para unu ha' na familia. U guaha plasa ni siña todū u ma'usa, lugat para rekre'asian yan otro siha ni siña muna'e i bisinu chansa na u fan atungo' yan u fandaña'.*

*Esta mata' i interes na i pupbliku u responsapble para manamko' sa'esta i familia makkat ma'asiste nu i guelo', guela', yan i mañainan-niha. Maskeseha kalang esta moda na i pupbliku u inadahi i manamko' manmaleffa hit na dankulo na klassen ayudu ni siña macho'gue' ni manamko' prensipatamente gi para manmamoksa yan manmama'gue' cho'cho' yan i manbunitu na kustumbre.*

*Prugamma para liheng manamko' ginen GHURA. GHURA Elderly Housing Project.*

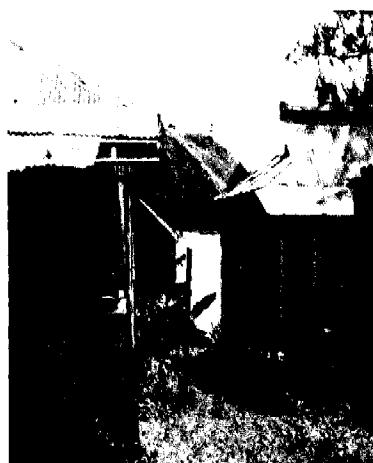


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I ti manfltmie siha na guma' mas muna' puslble i destrosun pakyu. Substandard housing leads to typhoon damage.

**SIGI HA' SIEMPRE MA'EKSPERENSI A /  
DESTROSUN GUMA' YAN PINADESI  
ENTRE I TAOTAO YANGGEN MANMA-  
TO I IRAN YU'OS.**

*I pakyun Pamela prumeba na i gima' simen-  
tu mas fitme kontra i manglo'. Gi 1,500 na  
guma' ni mandinestrosa ni pakyu esta ha'  
87 pot siento man sen baba kondision-ñiha.  
Maskeseha lamitaha gi gima' siha guma' pad-  
det, nesisariu na u duru mo'na i che'cho'  
para u mana'maolek pat mana'la'fitme i otro  
lamitaha kosa ki ti u fan madestrosa gi man-  
mamaila' na pakyu. Tenga gigon makpo'  
i pakyu, manmasedi na u fan hatsa guma'  
achok ha' ti fitme pot para u fanliheng i  
taotao libianu, lao ayu muna' guaguaha mas  
pedida. I gasto ni para maarekla i gima' ine'-  
ipus tenga i kapasidat i familia ni para u  
gastayi. Siña mas menos na gasto yanggen  
maplane'a maolek i mahatsan i fitme na  
guma'. Ti siña ta kompromisa i siguridat i  
taotao Guahan.*

**DESTRUCTION OF HOMES AND  
GREAT PERSONAL SUFFERING WILL  
CONTINUE TO BE EXPERIENCED IN  
THE WAKE OF NATURAL DISASTERS.**

Typhoon Pamela showed that concrete homes can best withstand typhoon winds. Of the 1,500 homes that were destroyed, 87% were in poor condition. Although half of the homes on Guam are concrete, it can be expected that substantial rehabilitation activities will be required to minimize future damage. The tendency to minimize post-disaster problems by making it easier to immediately rebuild substandard homes will only create more losses in the future. Although rehabilitation costs may exceed the payment capabilities of many households, cost savings can be achieved in the wise design and construction of homes. The safety of Guam's people cannot be compromised.

*Abiba i sanu yan maolek na planu, gi lugat  
annai para u fanmahatsa i gima' siha, atahi i  
manhatsan guma' guihhi na lugat ni mas  
maninefekta ni iran Yu'os pat taotao, u  
marikoknisa da didide' i guinahan-ña i tano'  
ya ti siña makontinua masupotte ayu na klas-  
sen hinata yan planu ni manmasusedi gi  
manmaloffan siha na tiempo.*

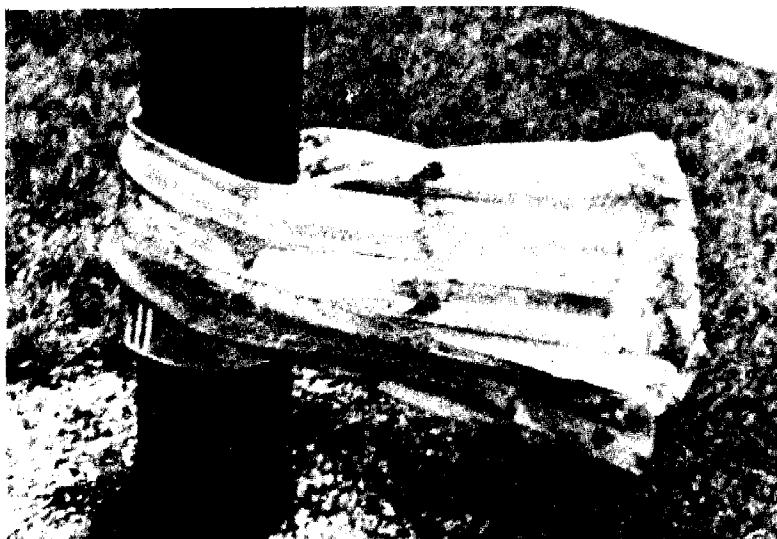
*Enfuetsa i areklamenton manhatsan guma'  
ya u marebaha i dañu, i malingu na kopble,  
yan i pinadesi gi taotao.*

*Tulaika i areklamenton manhatsan guma' ya  
u mana'suha i ti manpresisu na areklamento.*

Encourage efficient design of residential areas, restrict such development in areas highly susceptible to natural and man-induced hazards, and recognize that limited resources cannot continue to support certain historical patterns of residential development.

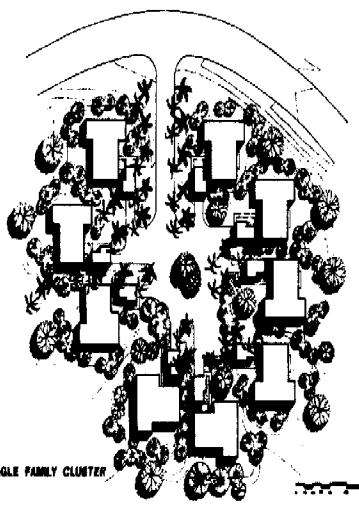
Enforce strict building code requirements to minimize damage, financial loss and personal suffering.

Revise the building code to eliminate unnecessary code requirements.



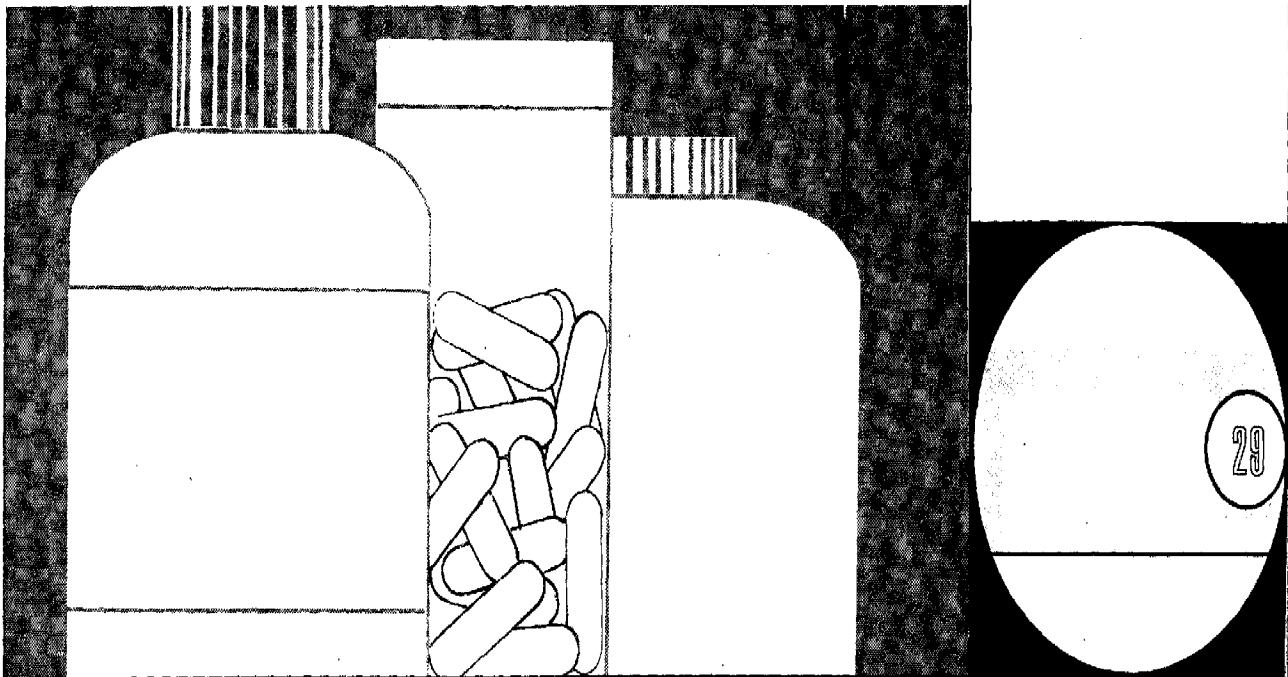


*I mapropoponi na planun llheng ni manadão,*  
Proposal for a Cluster Development.



TYPICAL SINGLE FAMILY CLUSTER





*Ti meggai adilanto gi manma'amte pat manma'ayuda i esta manhinilat ni bisiun drug yan gimen fotte. Muchumas ti meggai na enfotmasion manmasangangan i publiku hafa ettimon-ña ma' abubusu i ligat yan ti ligat na sustansian drug yan gimen fotte. I kinahulo' i manmahatmen guma', i manak-sidente gi kareta, i manmatai pot drugs – todú este siña humuyong ginen i abusun i drug yan gimen fotte.*

Little progress has been made in providing treatment for habitual drug and alcohol users. In addition, little effort has been initiated in making the public aware of the consequences of abusing both legal and illegal substances. Not only are the habitual users suffering but the community is also affected. Increased burglary, traffic fatalities and drug-related deaths are all associated with the increased substance abuse problem.



*Ditetmina taimanu adetña i probleman ma abusun drugs gi isla.*

*Pripa programma para i edukasion yan prebension i bisiu, espesiatmente gi eskuela.*

*Abiba i ma'usan i gaseta, redio, yan television pot prebension yan edukasion pot abusun drugs.*

*Trata i abusun sustansia komu probleman sosiat, mediku yan lokkue' probleman krimat.*

*Na'guaha mas kepble puedi siña ma'ekstende i fasilitad para i manmalangu pot drugs.*

Determine the extent and nature of substance abuse on Guam.

Develop a comprehensive substance abuse education and prevention program, particularly in the schools.

Encourage increased utilization of the news media in prevention and education activities.

Treat substance abuse as a social and medical problem as well as a criminal problem.

Provide funding to expand existing public treatment facilities.

THE NUMBER OF DRUG ABUSERS WILL CONTINUE TO INCREASE IN THE FUTURE.

Although there is a lack of factual data regarding the extent and nature of substance abuse on Guam, available sources show an increase in the number of drug abusers. This problem has gained wide public attention primarily because our residents are concerned about the manner in which abusers support their habits. Only when innocent people are affected such as through burglaries, robberies, and death do residents demand government involvement. The fact that society in general has failed in providing effective ways for habitual users to lead meaningful lives has been overlooked.

At present, the primary methods for dealing with substance abusers are through the criminal justice system and the Community Mental Health Center (CMHC). In essence, abusers are either confined or placed in one of CMHC's treatment programs including methadone, detoxification and chemotherapy. The Community Mental Health Center

I KANTIDAN TAOTAO NI U MABUBUSU I DRUG SIEMPRE SIGI HA' HULO' GI MANMAMAMAILA' NA TIEMPO.

Maskeseha taya' eksaktu na enfotmasion kao manu na estao i abusu gi bimenu na sustansia annok gi guaha na enfotmasion na kahulo' i kantidan abusu. Este na problema ha ya'ho i atension i publiku sa' pot i meggiu na malabida ni masusesedi pot para masupotte i bisiun-ñiha. Tenga esta ki guaha siha taotao man inefekta pot mahatme, masaki, manna'lamin yan mapuno' na madimanda na u entalo' i gubietno. Manmaleffa na i sosiadat deskuidao sa' ti ha na'e opottunitad i gaibisu na u dalalaki i konbieni na lina'la'.

Pa'go na tiempo yanggen guaha abusu, ma'entrega i kaosa guatu gi polisia yan i kotte osino ma'entrega guatu i taotao gi Community Mental Health Center. Yanggen ti mapresu i taotao mapo'lo gi Center para u ma'amte methadone, detoxification yan chemotherapy puedi pumara i bisiun-ña. Ma-

*katkula ni CMHC na guaha entre 650 asta 800 na taotao manadikta ni heroin na sustansia. Desde ki matutuhon i pragramman methadone gi 1975 kahulo' i manmarefa-fieri desde 50 gi 1975 na sakkan asta 152 gi 1977 na sakkan acha'kahulo' ha' i abusu yan i pentsentahlin kriminat. Este na enfotamision kalang hafa'nunu'e hit na ti efektibu i programmata-siha.*

*Guaha na mediku prumopoponi na u fan mana'e heroin i esta manadikta gi ospitat gubietno. Masangan na yanggen macho'gue este, marebaha siempre i akcion kriminat pot para u fañule' drugs. Muchumas, siña maprotehi i taotao ni siña bininao pat fina'baba ni drugs ya u menos i finatai pot drugs.*

estimates that there are from 650 to 800 heroin addicts on Guam. Since the institution of the methadone program in 1975, the number of referrals has increased from 50 in 1975 to 152 in 1977. Concurrently, the crime rate has also increased. Such statistics support current thought that present approaches are ineffective.

It has been suggested by local medical professionals that heroin be made available to certified addicts through government-run clinics. A heroin maintenance program could result in the diversion of abusers from criminal sources and decrease the need for criminal activity to obtain drugs. With heroin available in a clinical setting, problems such as adverse drug reactions and related complications could be controlled.

*Na' pusipble ya mana'fan eskuela i akonseheru yan atministradot ni man responsapible pot ma'abusun drug ya u fan manayuda gi pa'go yan i manmamaila' na prrogramma.*

*Na'guaha salape' kosa ki siña mahassuyi otro klassen prrogramma ni efektibu (kontodu therapeutic, lugat annai siña manma'atende i manggai'bisiu yan i narcotics anonymous) taiguihi i inetnon pat otganisation ni siña u ma'ayuda i taotao na u yute'i bisiu-ña.*

*Ebalu'a kao pusipble na u ma'emplementa i prrogramma annai siña ha kontinu'a i taotao chumule' i heroin lao kon kondision i mediku yan areklamento.*

Develop a training program for substance abuse counselors and administrators to help meet the manpower needs of existing and future programs.

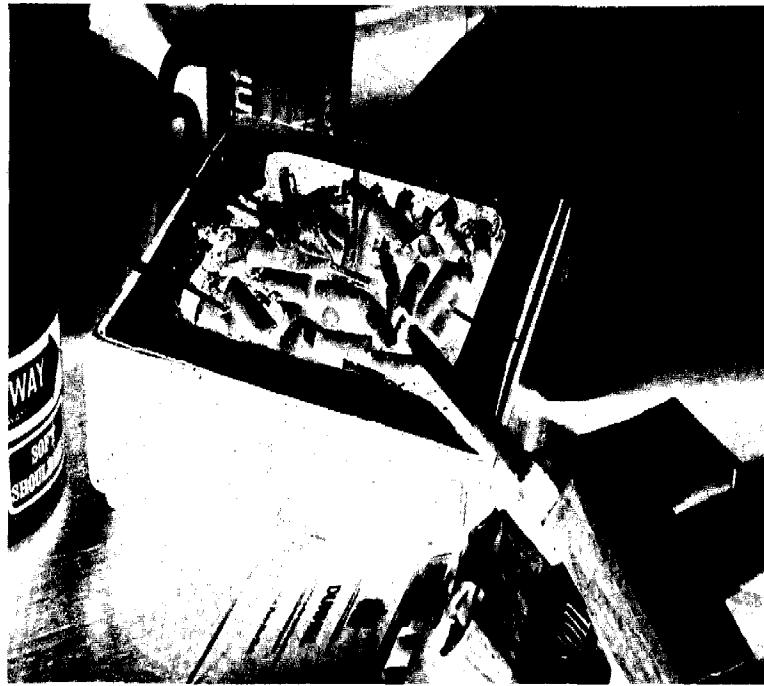
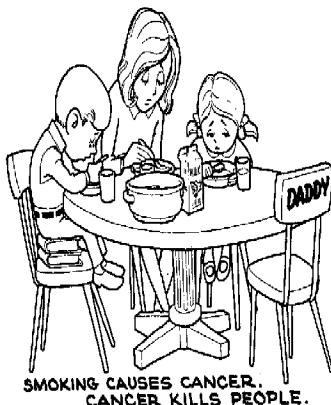
Provide financial support to encourage the development of alternative treatment programs including therapeutic communities, day-care centers and Narcotics Anonymous.

Evaluate the feasibility of implementing a heroin maintenance program.

## **Prevent drug abuse**



United States Postage **8c**



**LEGAL DRUGS ARE AS HARMFUL AS  
ILLEGAL DRUGS IF THEY ARE  
ABUSED.**

*Emplementa yan supotte i programman edukasion pot ma'usan drugs para manamko' yan famagu'on.*

*Na' metgot yan enfuetsa i che'cho' ni para u ma'ekuta i manhoben ya munga mangimen atkahot yan suhettu lokkue' i manamko' ya munga magimen meggai na gimen fotte pat aguayente.*

*Prohibi chumupa gi todū ofisinan publiku.*

*Hatsa i kontribusion gi atkahot yan chupa ya u inapasi pragramman edukasion pot ha-fa ettimomo-ña i taotao ni umabubusu i suntisan atkahot yan sigariyu.*

Implement and support drug education programs for both adults and children.

Strengthen local enforcement activities which constrain minors from consuming and adults from over-consuming alcoholic beverages.

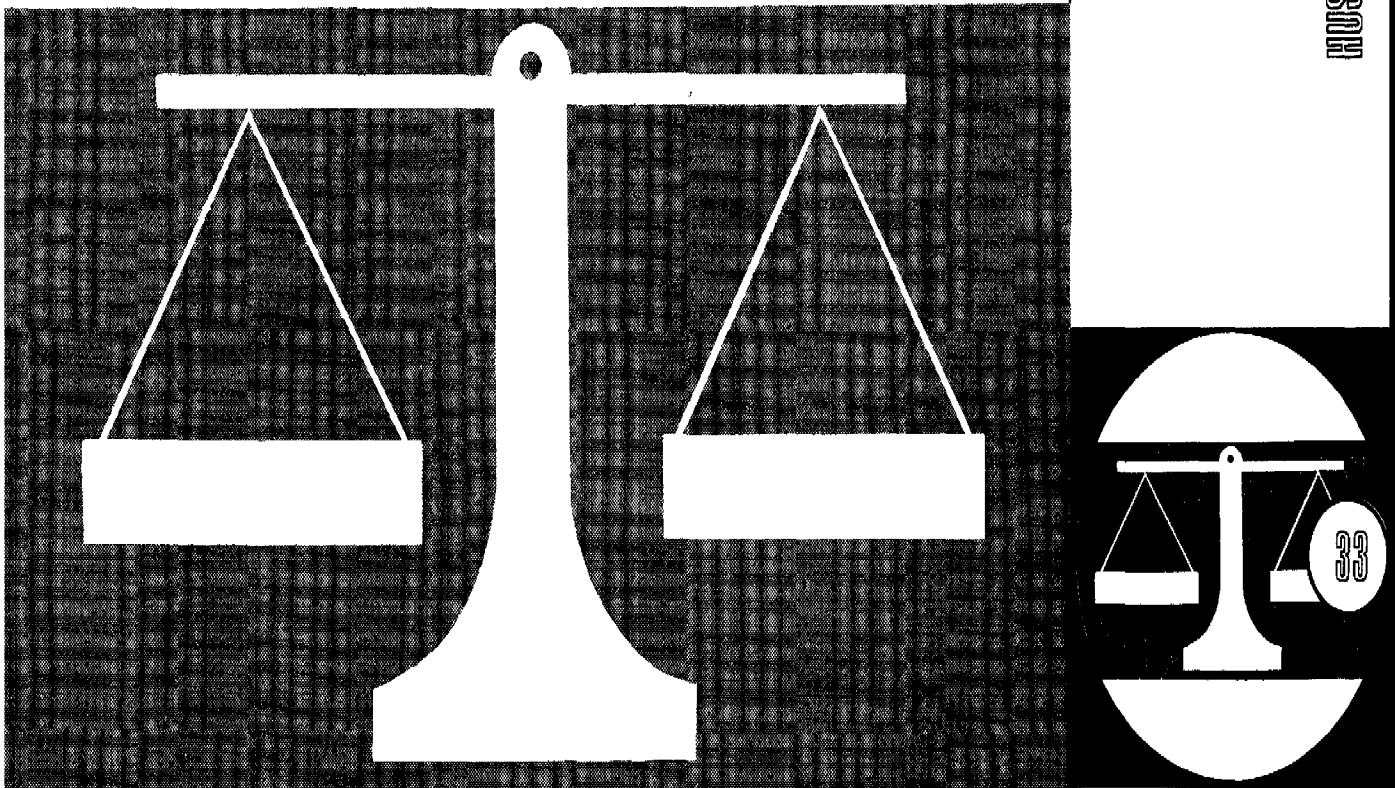
Prohibit smoking in all public offices and buildings.

Increase taxes on alcohol and tobacco to finance education programs concerning the effects of continued substance use.

**I LIGAT NA DRUGS ACHAPILIGRO HA'  
YAN I TI LIGAT NA DRUGS KOMU  
MA'ABUSU.**

*Ahe' ti pot ligat i manera annai un chule' i drugs na siña un alok na ti piligro para i minaolek i mentat, i tataotao yan i lina'la'-ña gi sosiadat. Maskeseha mabende ligatmente pat ginen otden mediku yanggen meggai-ña ma'usa ki i mapetmti tieneki u na' dañu i taotao ya siña ha' pinino'.*

*I abusu gi atkahot pat fotte na gimen ha na'-dadañu i higadun i taotao ya este unu gi mas takhilo' na chetnot ni pumupuno' i taotao giya Guahan, Muchumas, meggai aksidente manmasusesedi sa' bulachu i tao-tao annai mañuñugon. I chetnot korason yan kansit masosokne na pot ma'u'usa dimasiao i chupa. An manñupa gi manakihot na lugat ha efefekta ha' lokkue' i ti manchichipa. Debi di u ma'implementa efektibu na programma para u marebaha i ma'abusun atkahot yan sigariyu para proteksiun i residensian Guahan.*



*Aktibun kriminat yan i manera annai i gubernetro hatratrata i kriminat guini giya Guahan ha na' chachat-hinasso i pupbliku. Petersentahin kriminat, i dikokha na malabida, i bulan kaosa gi kotte yan bulan presonero, yan gaston gubietno, sigi ha' kumahulo'.*

Criminal activities and the means by which Guam deals with criminals have generated wide public concern. Crime rates, appalling criminal acts, over-burdened courts and correctional institutions and public expenditures have greatly increased.

## INCREASE THE TYPES AND EFFECTIVENESS OF PREVENTION AND DETECTION PROGRAMS.

In recent years, there have been many efforts to prevent crimes before they occur. Education programs, preventive inspections of homes and more recently, the Neighborhood Patrol Program have been implemented to prevent and detect crime.

*Kontinu'a sumupotte yan na' la'dankulo i programman polisia ni man lilliku'gi seng-song pat komunitat.*

*Na'metgot i dinaña' gi familia ya munga mana'e lugat ayu siha na ideha i siña yu-mamak i gumogotte i familia.*

*Emplementa programma gi eskuela para u probeni i aktibidat kriminat desde ki mari-kohi i patgon gi eskuela asta i nuebi gradu.*

Continue to support and expand the Neighborhood Patrol Program throughout the island.

Ensure the strengthening of family ties as deterrents to crime by evaluating proposals that weaken these ties.

Implement crime prevention educational programs in the schools, particularly in grades kindergarten through nine.

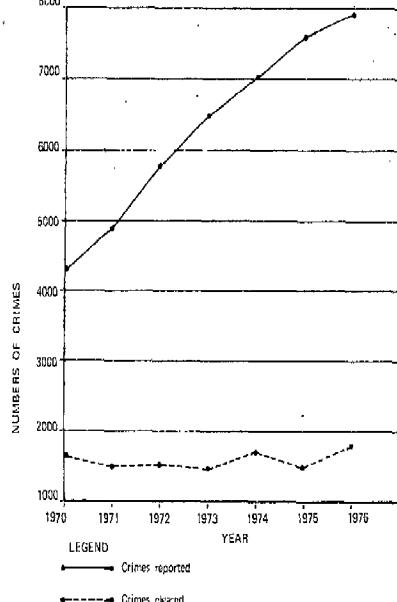
## UMENTA I KLASSE YAN EFEKTIBUN I PRUGRAMMAN PREBENSION YAN DETEKSION.

*Guini ha' gi manmaloffan na sakkan bula manmacho'gue' para u maprobeni i aktibidat kriminat. I programman edukasion, i marikonusin i gima' yan i neighborhood patrol manmaémplementa para u máekuti yan maelao i kriminat.*

*Bula gi kriminat, ayu siha na taotao i man-nai'opottunidat pat manna'i'kapasidat para u fanggai' probecho gi lina'la'-ñiha. Para makorih este na situasion, mana'guaha edukasion, hotnat, yan rekreasian. Lao mas ha' pa'go ma'a atan na i familia fine'nena u dirihi i famagu'on kontra i kriminat yan pot no u fan dilenkuente. Todu siha ni manma proponi ni siña yinilang i gumogodde i familia debi di u ma'ebalu'a.*

*Gi manmamaila' na tiempo, mas meggai na endibiyu'at madingu i familia para u fan independiente. Pot este na rason mas na edukasion u manmana'pusible gi telebision, gaseta yan radio pot hafa na ma'establisca i sistemana lai, hafa na empottante ma'osge i lai yan hafa humuyong yanggen makontra i lai.*

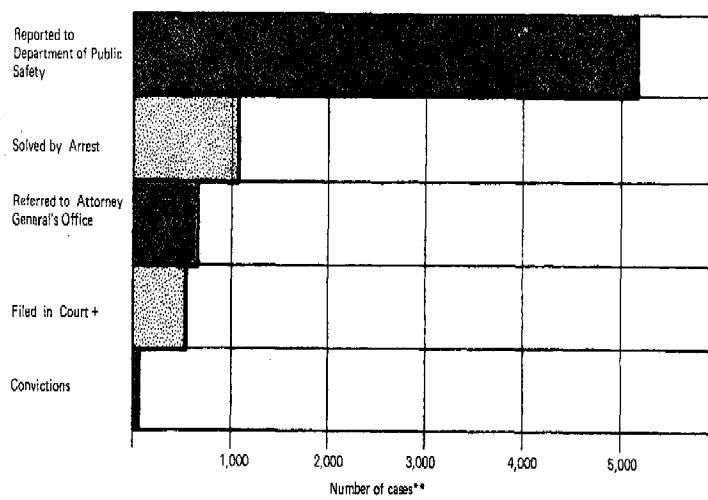
CRIMES COMMITTED AND CLEARED\*  
1970-1976  
I KAÑITIDAN OFENSA NI MANIAKUMITI YAN MA'EKAOSA GI KOTTE, 1970-1976



\*Refers to the number of crimes cleared by police through arrests only.

Source: Crime and Justice 1976

STATUS OF MAJOR OFFENSES\*  
1976  
ESTAO I MANIMAKKAT SIHA NA OFENSA, 1976



\* Major offenses include rape, robbery, assault, burglary, larceny and motor vehicle theft.

\*\* Cases do not refer to the number of individuals.

+ Includes 1975 pending cases.

Source: Crime and Justice 1976

**MAPOT GUAHA EFEKTIBU GI MA'EN-  
KAOSAN I KRIMINATT GI PA'GO NA  
SITUASION.**

Meggai na kaosa ni manggaige esta gi kotte ti manmahuhungok ni hues sa' gof meggai na kaosa yan pot didide' i abugao gubietno ni para u prisenata i prosekusion. Tat komu ne-sista u kontinu'a ma'umenta i kantida yan kualidat i abugao i gubietno, siña marebaha i kaosa yanggen mana'ligat ayu siha na ak-sion i ti peligru para otro siha na taotao gi sosiadat. Muchumas, yanggen guaha lai ni promohibi i konduktu entre dos na taotao achok ha' u makonsiente, yan meintras ha' ti ma'efekta i otro taotao siha debi di u mapo'lo komu ti baba ya ti prisatu na u mäenkaosa. Todu ayu na bida i ti inefefekta pat ti ha na'dadañu i otro, ti debi di u kontra i lai.

Meggai na kaosa ti manmahuhungok gi kotte pot i mapraktitika ayu i mafanana'-an plea bargaining. Kumeke' i lekña este na man negosiu i abugao yan i madififiende para u deklara na hungan ha kontra i lai lao pot menos na ofensa kosa ki siña marebaha i sentensia. Humuyong i gaston kopble yan tiempo ni ma'u'usa para prose-kusion, marebaha. I abugao prosekusion man sinasetta para u ma'atende otro kaosa siha. Pot mas, kalang ti matulailika i konduktun i kriminat yanggen ma'umenta 2 años mas i 90 años na sentensia - i kriminat esta grabbe. Lao, i pupbliku henerat maninestotoba na siña masotta i kriminat sa' pot i plea bargaining ya tuma'lo ha' libre para u cho'gue' aktibidad kriminat. Asta ki marebaha i kantidan kaosa pat ma'umenta i kantidan i abugao para prosekusion', sigi ha' siempre mapraktika i plea bargaining. Gaige gi responsabilidat i gubietno na u na' siguru na u ma'usa i plea bargaining solu para i minaolek yan interes i sosiadat.

Meggai na kaosan kriminat manmäenkaosa gi kotte. Meggai beses mana'libre ha' i ma-suspecha na kriminat sa' pot ti manpripara'o pat ti nahong ebidensia maprisenta ni abugao prosekusion'. Guaha na biahna masoda' i taotao na umisao kontra i lai lao yanggen ti atdit na isao, ti sinentensia na u mapresu ni hues sa'dikike' i tribunat ya ti man-u'lat i prisoneru. Mientras ha' ki libianu magana kaosan-ñiha, ti u fan masga i manisasague na taotao achok ha' u mapuno' ettimon-ña.

**EFFECTIVE PROSECUTION OF  
SUSPECTED CRIMINALS CANNOT BE  
ACHIEVED UNDER EXISTING  
CIRCUMSTANCES.**

Many criminal cases are not heard immediately by the courts because of the large number of cases on court dockets and a small prosecution staff. Although there is a continuing need to increase the quantity and quality of prosecution staff, caseloads can be reduced by decriminalizing certain activities that are not harmful to other members of society. Moreover, laws which prohibit certain behavior between consenting adults and behavior in which there is no threat to the health, welfare and safety of other persons only seem to ensure that all members of society follow the same moral code. Activities should be illegal only if they are harmful to others.

Moreover, many cases are not heard because of the practice of plea bargaining. In most cases, this practice involves an offender pleading guilty to the lesser offense to reduce his sentence. The amount of time and money spent in prosecution is decreased. The prosecution staff is released to prosecute other cases. Finally, there appears to be little impact on the behavior of criminals if an additional two years for instance is added to a 90-year sentence – the criminal is just as desperate. However, the general public is more concerned that a criminal can be quickly released through plea bargaining and therefore, can become involved in other crimes. Until the number of cases is reduced or the number of prosecutors is increased, plea bargaining will continue to be practiced. The responsibility of government is to ensure that plea bargaining is conducted with the best interests of society in mind.

Many criminal cases are prosecuted in court. Frequently, criminal suspects are acquitted because of legal technicalities resulting from ineffective or improper preparation for trials. In cases where suspects are found guilty, judges are sometimes reluctant to impose prison sentences for less serious crimes due to the overcrowded conditions at the penitentiary. As long as it is relatively easy to be acquitted of any crime, possible deterrent measures, including capital punishment, may not be effective.

**NEIGHBORHOOD  
WATCH  
PROGRAM**



*Halom gi Neighborhood Watch Program. Pribi i manhatmen guma'.*

*Rebaha i aktibidad i polisia yan i abugao prosekusion kontra ayu siha na ofensa i ti nina'dadanu otro taotao.*

*Kontinu'a sumopotte i ma'usan i plea bargaining gi kotte kon konsiderasian na ti u macho'gue gi sikreto na manera.*

*Na'guaha sistema enfotmasion ni siña u inayuda i kotte umatbansa i kapasidat-ña para mansentensia.*

*Kontinu'a fumanágue i emple'ao i Attorney General yan i taotao polisia ni prumipapa-ra i kaosa ni para u fan maprisenta gi kotte.*

*Hatsa i fasilitad para i prisoneru ni ti gef serioso malabidan-ñiha kontra i sosiadat.*

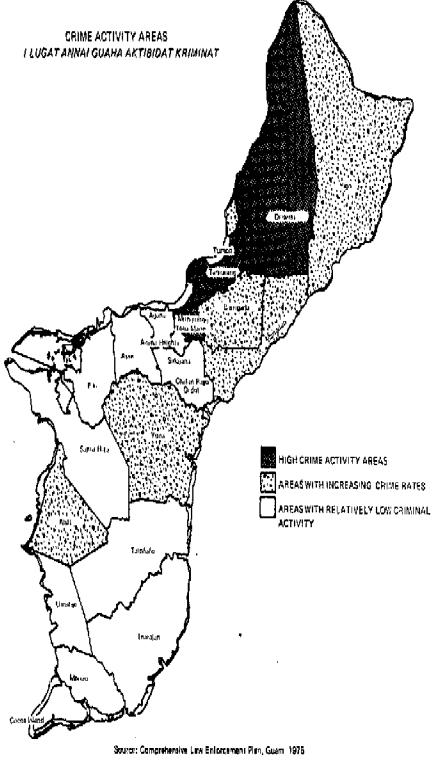
*Reduce police and prosecution efforts directed at offenses with no victims.*

*Continue to support plea bargaining in the open court.*

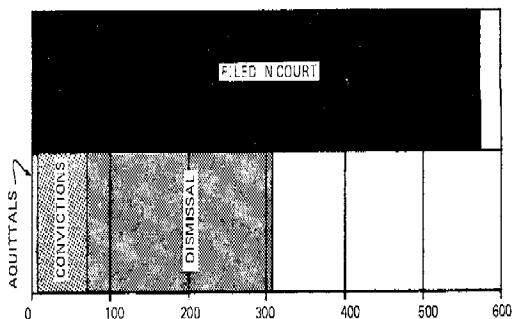
*Develop an information system to improve sentencing capabilities.*

*Continue to train prosecution and enforcement personnel in effectively preparing for criminal trials.*

*Construct a minimum-security prison facility for criminals convicted of less serious crimes.*



STATUS OF MAJOR OFFENSES  
BROUGHT TO COURT, 1976  
ESTAO I MANMAKKAT NA OFENSA  
NI MANMATTO GI KOTTE, 1976



Notes:

1. Cases do not refer to the number of individuals.
2. Includes cases filed in 1976 and cases which were carried over from 1975.
3. Major Offenses include homicide, rape, robbery, assault, burglary, larceny and motor vehicle thefts.
4. Reasons for dismissals include: insufficient evidence, plea bargaining, waivers,

Source: Crime and Justice 1976, Government of Guam

### EXISTING TREATMENT AND REHABILITATION PROGRAMS FOR CRIMINALS ARE NOT EFFECTIVE IN PRODUCING RESPONSIBLE CITIZENS.

With the changes that have occurred since 1962, more and more persons are resorting to crime as a response to the increasing pressures, problems and hardships of life. Juvenile delinquency and adult crime may increase as Guam continues to grow.

Frequent mention is made of the continuing efforts toward rehabilitating criminals into responsible and productive citizens. Upon release from penal institutions, criminals are expected to cope with life's problems in ways acceptable to the community. However, many of these criminals again resort to criminal activity, in order to satisfy economic, social and physical needs. Treatment and rehabilitation programs are not working for many convicts.

Of particular concern is the current practice of detaining hard-core juvenile delinquents with status offenders who have committed acts that would not be considered criminal if adults had committed them. Examples are curfew and "beyond control" violations. Rather than these individuals being rehabilitated, they are taught the ways of crime by other juveniles who have committed more serious crimes.

*I GUAHAN PA'GO NA PRUGRAMMAN REHABILITASION KRIMINAT, TI MACHO'CHO'CHO' YA TAYA' MANHUYONG KOMU MANRESPONSAPBLE NA SIUDADANU.*

*Pot todū i matulaikan i lina'la' Guahan des-de i 62 na sakkān, mas meggiā na petsona mafalalague i malabida para u ma'eskapayi i problema yan chinatsaga siha gi lina'la'. Sigi ha' kahulo' i bidan kriminat entre i mandilenkuente na manhoben yan i manamko' mientras sigi ha' lokkue' Guahan ha atbansa gue'.*

*Sesso masangan pot i macho'cho'gue' para u mana'fanmasga i kriminat ni malabidan-ñiha ya u fan huyong disiente yan manfa'tacho'cho' na siudadanu. Gigon ha' manhuyong gi presu, manma'ekspekte i kriminat na u konduktā gue' ya u fana' i problema siha gi manera ni ma'aksepta gi komunitat. Meggiā gi entre kriminat siha mana'u ha' ta'lo tatte gi bisilun-ñiha para u mana'satisfecho i minalagu-ñiha gi todū patte gi lina'la'. Ti macho'cho'cho' i prugramman rehabilitasian para meggiā na prisoneru.*

*Gof na'sustu ayu i mapraktikita pa'go ni mana'fandadaña' i manmanhale' na manhoben gi kriminat yan ayu na manhoben i chatta' ma'isague i lai. Pot i hemplio ti siña ma'adingga ni mañaina-ña pat magacha despues di ora annai ti debi di u fan gaige gi chalan. Enlugat di u fan makorih i chatta' manisao, ma'eyak siempre i tining'ayu i manhoben na dilenkuente ni mas serioso malabidan-ñiha.*

Ease the transition of convicts into daily life by continuing to support and improve half-way homes and aftercare programs.

Decriminalize status offenses.

Divert status offenders into community-based programs that best suit their needs.

*Ma'enfuefuetsa i lai pot i che'cho' manhoben ni ti propio kriminat sa' este fine'nena na señat na siña maripara ya ma'ekuta i hoben ya munga na u sigi mo'na finalagu-ña gi babarias. I fai ha nana'e opottunidat i man-responsable na manamko' na u refieri i famagu'on guatu gi gai' aturidat na taotao yanggen ti siña i mañaina esta ha arekla i famagu'on-ñiha. Sesso na i amko' yan i patagon u macha'responsable pot i problema ni humuyong. Nesisita ma'establispa pragramma para u fan ma'abisu i manamko' yan famagu'on yanggen para u efektibu i tramentu para rehabilitasion yan prebension.*

The apparent reason for enforcing laws regarding the non-criminal activities of youth is that these are the first signs of criminal behavior. Therefore, these laws provide opportunities for responsible adults to refer children to appropriate authorities in cases where the adult can no longer assist the child. Frequently the adult, as well as the child, is responsible for the problems that have surfaced. Counseling programs for both children and adults must be established and used if rehabilitation, treatment and prevention programs are to be effective.

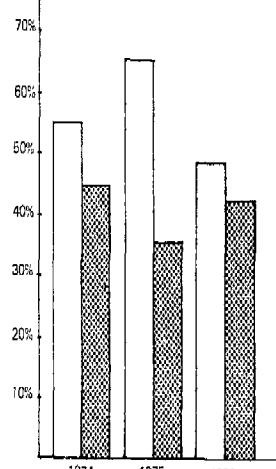
*Abiba ya u fan pattisipa i manamko' yan manhoben gi programma annai siña mana'e abisu pat akonsehu.*

Improve the effectiveness of prevention and rehabilitation programs by encouraging adults and children to participate in counseling programs.



COMPARISON OF FELONY AND STATUS OFFENSES COMMITTED BY JUVENILES, 1974 - 1976\*

AKOMPARISION I OFENSA STATUS YAN FELONY GINEN I MANHOBEN NI MANMENOS KI 18 ANOS



LEGEND:

- Status Offenses
- Felony Offenses

\* Status Offenses are offenses which are applicable to juveniles only e.g. curfew and truancy.  
Felonies are serious offenses e.g. robbery, murder, but do not include misdemeanors.

Source: Crime and Justice Guam 1976



**MORE EMPHASIS SHOULD BE PLACED UPON THE RIGHTS OF THE VICTIMS OF CRIME.**

Guam's criminal justice system operates under the philosophy that a person is innocent until proven guilty. Numerous laws directing the behavior of law enforcement officials have been passed which protect the rights of suspected criminals. In fact, more money is spent in defending suspected criminals than in prosecuting them.

Throughout this process, the rights of the victims of crime are sometimes neglected. These victims have suffered from unanticipated losses resulting from crimes against property and bodily injuries, and are frequently left without the resources necessary for speedy recovery. Although the rights of suspected criminals should continue to be protected, the plight of victims must be as seriously addressed.

*Na'guaha lai ni para u inopbliga i kriminat na u apasi tatte i taotao ni inefekta ni bidan i kriminat pot i malingu-ña yan pinadesi-ña.*

Protect the rights of victims of crime by enacting legislation that requires convicted criminals to compensate victims in both crimes against property and bodily injuries.

***I DIRECHON I TAOTAO NI MANA'DAÑU PAT CHETNUDAN GINEN I BIDAN KRIMINAT EMPOTTANTE NA U MANA'E MAS ATENSION.***

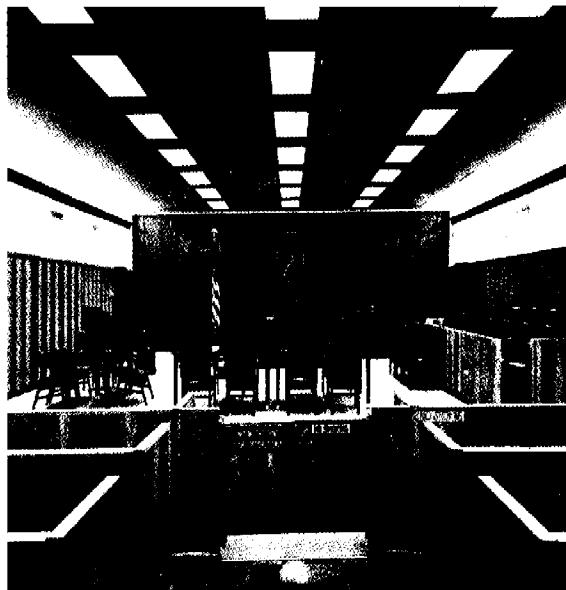
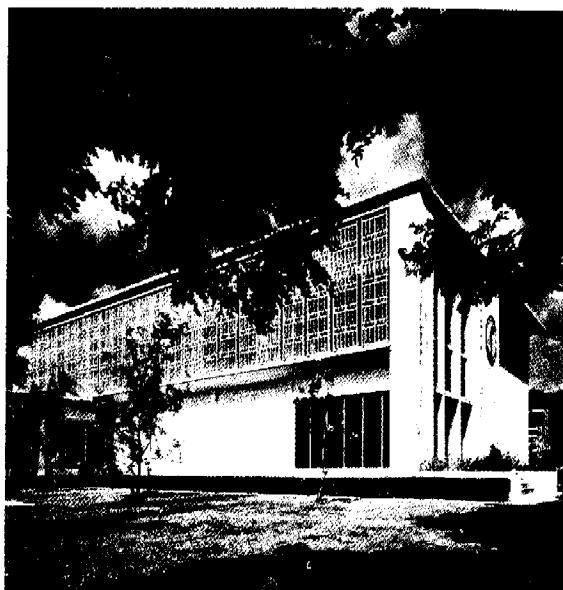
*I sistemana hustisia, kalamten guhi na hinengge na inosente i taotao asta ki ma'a-preba na magahet na umisao. Meggai na lai manmapasa ya ha enkatga i polisia na u maprotehi i direchon i masuspecha na kriminat. Magahet na meggai-ña na kopble magagasta para u madifiende i masuspecha na kriminat ke para u fan ma'enkaosa gi kotte.*

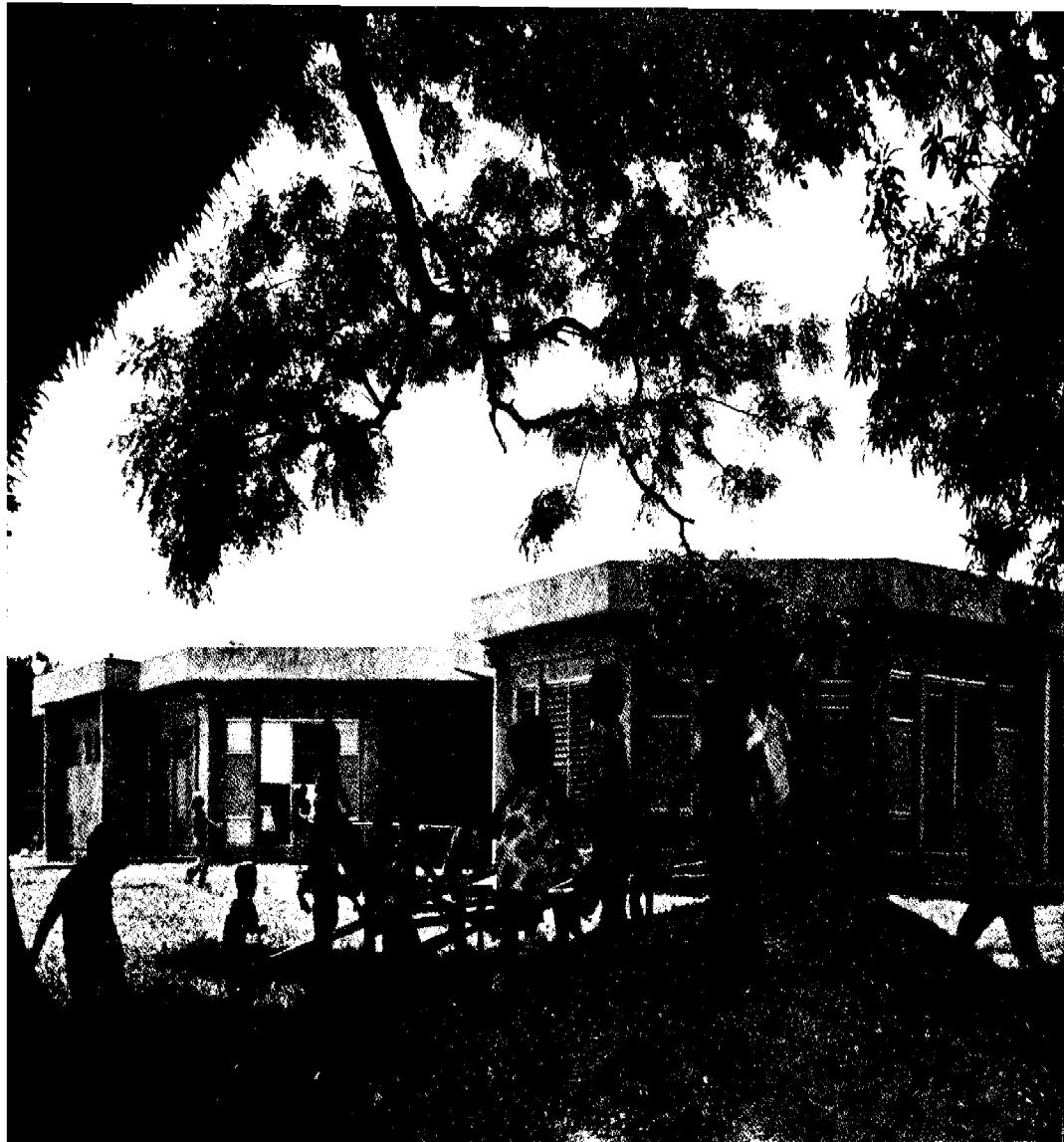
*Gi duranten i kaosa, i direchon i taotao ni mana'dañu pat lamen guaha na ti mana'e atension. Este na prohimo siha mapadesi chinatsaga sa'manma'lingu kosas yan mana'-fanlamen pues manmasotta sin ni hafa para u chule' tattie i malingun-ña osino para i gaston mediku yan ospitat siankasu mana'-fanlamen. Maskeseha u makontinua maprotehi i direchon kriminat, debi di u maprotehi lokkue' i mana'lamen pat ma'efekta ya u mana'e mas atension.*

VALUE OF PROPERTY STOLEN AND RECOVERED ON GUAM  
1975 AND 1976  
*I BALIN I PROPIADAT NI MASAKI YAN MASODDA'G/ 1975 YAN 1976*

YEAR	VALUE OF ITEMS STOLEN	VALUE OF ITEMS RECOVERED	PERCENT OF VALUE RETURNED
1975	\$1,793,683.15	\$391,913.38	21.0
1976	\$3,924,467.81	\$456,459.31	11.6

Source: Crime and Justice 1975 and 1976





Eskuelan Chalan Pago-Ordot. Chalan Pago-Ordot Elementary School

*Nesisariu lao mapot manma'eduka i manhoben Guahan. Maskeseha meggai esta adilanto, bula problema nesisita ma'alibia. Debi di u maprobeni fasilitat yan programma ni siña umafakcha' yan i nesisidat i endibiyuat yan i sosiadat.*

Educating Guam's youth is a necessary and difficult task. Although many improvements have been made, significant problems still need to be resolved. Facilities and programs must be provided to accomodate the changing needs of society and individual aspirations.

*Pripa yan emplementa u eksaminasion ni para u apreba na kada estudiante manefektibu gi manmanaitai, manmangge', yan kuentas antes di u fanmagradua.*

*Na'e mas atension i manprensipat na tiningo' gi todu gradu gi eskuela.*

*Abiba i che'cho' kannai na edukasion komu empottante yan nesisariu gi edukasion kada petsona.*

*Adilanta i abilidat i sistemian edukasion para u antisipa kuanto yan hafa siha na klassen cho'cho' yan ofisiu manesisita gi manmamaila' na tiempo.*

*Na'guaha leksion para kada petsona gi abilidat ni manesisita para u ma'emplea antes di u mana'fanhuong gi eskuela-ña.*

*Abiba i estudiante siha ya u taftaf umayek i klassen cho'cho' pat ofisiu.*

Develop and administer a competency test to students prior to high school graduation.

Increase emphasis on the development of basic skills in all levels of the education system.

Emphasize vocational education as an essential component of the individual's education.

Improve the education system's capability to anticipate both the kinds and quantities of future manpower requirements.

Provide training in job entry skills for each individual before formal schooling is completed.

Encourage early job/career selections.



#### THE EDUCATION SYSTEM IS NOT ADEQUATELY PREPARING STUDENTS IN THE BASIC SKILLS THAT ARE ESSENTIAL FOR DAILY LIVING.

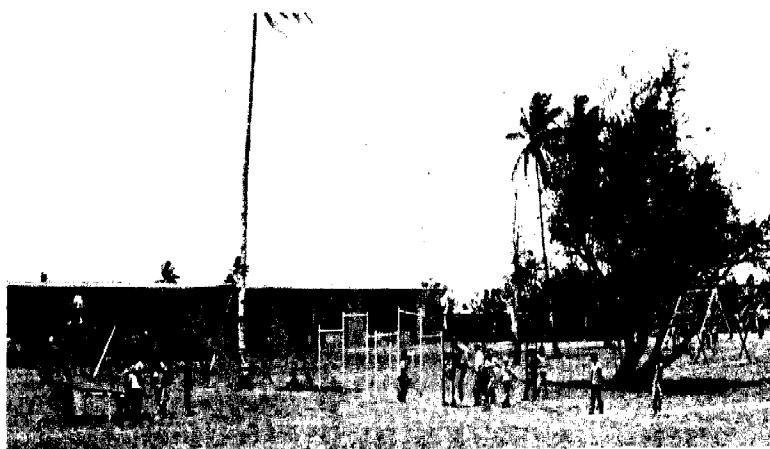
There is a growing concern within the community that in the effort to give each individual a total educational experience, the system is inadequately preparing students in the areas of reading, writing, and mathematics. This concern is not confined to Guam. For example, some states now require that students must pass a competency test as a requirement for graduation. This test tries to determine whether the student can perform basic functions that are necessary for everyday activities such as balancing a checkbook, reading the newspaper, and filling out a job application. Mastery of reading, writing, and mathematics is also essential for students who are preparing for higher education.

Our public school system is not adequately preparing students to enter the labor force after high school graduation. In the past, many graduates could easily find good paying jobs with the Government of Guam, the military, and private business establishments. Today, however, unemployment among young people is considerable as a result of the inability of the labor market to absorb the growing number of graduates. Available jobs in the private sector usually require more than "paper" evidence of high school completion. Employers expect the applicant to have at least the basic training essential for success on the job. Many jobs require prior work experience or proper vocational training. Most graduates are not immediately employable.

#### I SISTEMAN EDUKASION TI HA PRI-PARA SUFISIENTE I ESTUDIANTE GI PRENSIPAT NA TININGO' NESISARIU PARA U LA'LA'.

*Lumalameggai manchathinasso gi komunitat pot i makekena'e i endibiyu'at na estudiante ni todu klassen eksperensiya yan tiningo' ya humuyong ti manmaprapara maolek gi tinaitai, tinige', yan kuentas. Ahe' ti este ha' iya Guahan na gaige este na kondision. Pot i hemplio guaha na estados ha opbliga na kada estudiante debi di u pasa i eksaminasion i manaitai, mangge' yan kuentas antes di u siña magradua. I eksaminasion para u ditetmina kao siña i estudiante ha cho'gue' ayu siha i nesisariu na fonksion tat komu siña ha na'balansa i checkbook, manaitai papet pat gasetta, yan siña ha kumple i aplikasion para cho'cho'. Gof empotante na u gof kapas i estudiante siha gi titaitai, tinige' yan kuentas yanggen mahahaso man malak kolehu.*

*I eskuelan publiku ti ha pripapara maolek i estudiante siha para u fan listu manna'emplea despues di manmagradu'a. Gi manmaloffan na tiempo faset mañoddá' cho'cho' yan maolek na suetdo gi gubietnon Guahan, gi militat yan san hiyong na kometsiu. Lao, pa'go gof takhilo' i numirun manhaben ni ti manmacho'cho'cho'. Tai abilidat i ekonomia para u kubre todu i mandan manmagradudua na estudiante. Meggai ni guaha na cho'cho' ni gaige gi kometsiante ha nesista mas ke diploma pat setifiku ni para siña u fan kualifikao i manmagradua. I manmanemplelea ha ekspepeka lokkue' na i taotao u tungo' yan u kapas gi che'cho'. Meggai na cho'cho' pa'go na tiempo mene-sisita eksperensiya pat ebidensia na maneskuelan cho'cho'. Meggai na manmagradua ti siña ha' chaddekomma'emplea.*



## TAYA' EFEKTIBU NA PLANUN EDUKASION.

*I patte annai guaha dipotsi planu gi sistema edukasion, gaige gi programman federat si-ha ni ha dimanda na u madalalaki tod i lai yan areklamenton federat. Maópbliga i dipattamenton edukasion na u fan pípara planu kada sakkan pat para kada síntu áños na tiempo yanggen para u ma'asigura na u ma'ayuda gi kopble na banda. Taya' kabales na planu para tod i dipattamento. Lao, kadakuat gi diferentes patte gi edukasion u responsaple mama'planu yanggen malago' manaplika pot para u fanrisibi kopble ginen i federat.*

*Ti pot taya' abilitat-ña i dipattamenton edukasion para u pípara kabales na planu, ti mana'e ha' dankulo na atension yan consideracion para u mafa'tinas un kabales na planu. Muchumas, pot i manadan problema ni fumafana' i sisteman edukasion kada dia, kahna' ha' ti síñia maplanea mas ke i proksimu tiempo. Gi 1973 na sakkan machagi mapripara kabales na planun edukasion. Lao ti inipus i estao i maébalu'a i nesisdat-ñiha.*

*Gof nesiaru para u guaha efektibu na planun edukasion yanggen i sistema para u kubre tod i nesisidat i komunitat. Manada gi prublerma ni u matbororota i sisteman edukasion síñia ha' mohon ma'antisipa pat maripara hafa manesisita na prugamma, tai-guhi i edukasion pot drugs yanggen makondukta kombieni na planu. Síñia masokne na pot i taya' kabales na planun edukasion na annok na taya' direksion gi sanhalom i sisteman edukasion.*

## THERE IS A LACK OF EFFECTIVE EDUCATIONAL PLANNING.

Existing planning efforts within the education system are limited to fulfilling the requirements of federally-funded programs. They involve the preparation of annual and five year plans which are necessary for continued federal assistance. The responsibilities for preparing the different plans fall to the many divisions within the education system which are applying for federal assistance.

The lack of a comprehensive planning effort is not the result of the inability of the education system to undertake such a function, but rather the result of the weak emphasis on educational planning in general. Furthermore, the daily crisis facing the education system prevents it from looking beyond the immediate future. An effort was made in 1973 to start the process for developing a comprehensive education plan for Guam. However, it never passed the needs assessment stage.

Effective educational planning is necessary if the education system is to succeed in meeting the needs of the community. Many of the problems that are plaguing the education system could have been anticipated or certain educational needs detected, such as drug education, if effective planning was conducted. The apparent lack of direction within the education system can be partially attributed to the lack of a comprehensive educational plan.

*Na'fanafakcha' tod i planun edukasion yan planun otro na ahensia gi Gubietnon Guahan yan i komunitat.*

*Pípara, emplementa yan korihi i kumplidu na planu para edukasion.*

*Na'fandaña' tod i fonksion manplane' pot edukasion gi halom i sisteman edukasion.*

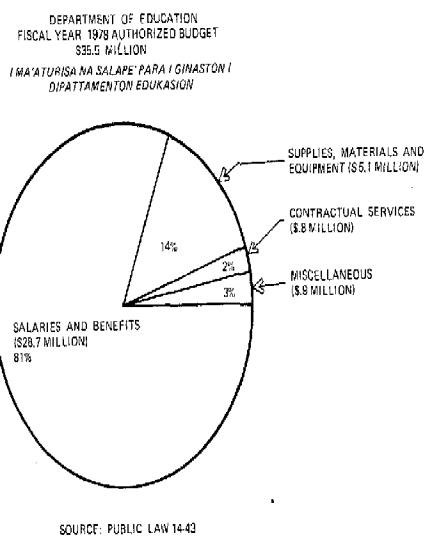
*Na'e takhilo' na atension i kabales na planun edukasion komu prensipat gi kinalamten i sisteman edukasion.*

Coordinate educational planning activities with other planning functions within the Government of Guam and the private sector.

Develop, implement and update a comprehensive plan for education.

Centralize all educational planning activities within the education system.

Emphasize that educational planning is an integral part of the education system's operation.



Kuatton kindergarten gi eskuelan Chalan Pago-Otdot. Kindergarten Classroom, Chalan Pago-Ordot Elementary School.



*Pripara kumplidu na planun atministrasion para todū patte gi sistemān edukasiōn.*

*Emplementa yan kontinuā muna' faneskue-  
la i manmaneneha gi sistemān edukasiōn.*

*Gof enkatga na empottante i che'cho' kada  
empleao gi sistemān edukasiōn.*

*Na'e empeñu yan opottunidat i empleao  
na u fan lamaolek gi che'cho'-ñiha.*

*Abiba yan mantieni i hinengge na i mas-  
maolek para i sistema u mahahasso ni at-  
ministradot yan i ge'papa'na man magas gi  
todū i sistemān edukasiōn.*

Develop a comprehensive management plan for the entire education system.

Implement a continuous management training program.

Emphasize that each employee plays an important role in the education system.

Provide incentives and opportunities for employees to be efficient.

Encourage and maintain the highest degree of professionalism among administrators and middle-managers throughout the entire education system.

#### MANAGEMENT SHORTCOMINGS ARE ADVERSELY AFFECTING THE EFFICIENT AND EFFECTIVE OPERATION OF THE EDUCATION SYSTEM.

The success in educating students depends on the efficient operation of the entire educational system. It is as important that the teacher do a good job in the classroom as for an accountant to do a good job in the business office. Administrators and middle-managers perform a crucial role in assuring the efficient operation of the system by managing and directing the different activities. If any component of the system is inadequately doing its job, overall performance will be adversely affected.

Many reports have found that management shortcomings within the educational system are the major causes of the inability of the system to function efficiently and effectively. This problem is particularly critical in the area of financial management, procurement and supply, facilities and maintenance, personnel administration, and labor-management relations. Management shortcomings are not the results of a policy which does not place importance on efficient management, but rather the lack of experienced and trained managers within the educational system. Some individuals are hired because of political or personal considerations and not for their competency. Many residents have lost faith in the government's ability to manage the education system. As a result, the quality of education is often questioned.

#### I TI GEF MAOLEK I MAMANEHAHA- ÑA I SISTEMAN EDUKASIÖN HA EFE- FEKTA I KINALAMTEN-NA

*I adilanton manma'eduka i estudiante de-  
pende gi maolek na kinalamten todū i siste-  
man edukasiōn. Acha'empottante ha' na u  
maolek mamana'gue i maestra gi kuatto  
yan i atministradot gi ofisina-ña. Empot-  
tante i patten-ñiha i atministradot yan ka-  
magas gi che'cho' sa' siha umasegugura i  
maolek na kinalamten i sistema yan siha  
mumaneneha yan dumeririhī i diferentes na  
cho'cho'. Yanggen guaha na patte gi siste-  
ma ti dinanche che'cho'-ñiha, pues todū siha  
i cho'cho' siempre inefekta ti maolek.*

*Manada na dokumento umendika i baba na  
maneha gi sistemān edukasiōn i prensipat  
na rason na ti siña kumalamten maolek.  
Pattikulatmente gaige i problema gi bandan  
makuuentan salape', i mafahan yan mapatten  
attikulun eskuela yan ofisina, i facilidat yan  
i ma'reklañ fasilitat, i atministrasian pot i  
empleao yan i relasion entre empleao yan  
manehu. I defektu gi manmanehan i siste-  
man edukasiōn ahe' ti pot taya' areklamen-  
to, lao, pot taya' eksperensian-ñiha yan ti  
man gef eyak gi operasion i sistemān eduka-  
siōn. Guaha siha endibiyu'at manma'eme-  
plea pot pulitika pat pot petsonat na konsi-  
derasion lao ti pot gai kapasidat. Bula esta  
na residensia malingu hinenggen-ñiha gi abi-  
lidat i gubietno na u maneha maolek i siste-  
man edukasiōn. Humuyong sesso makues-  
tiona i kualidat edukasiōn.*

*Adilanta i kapasidat i sistemān edukasiōn  
para u planea i ma'usan i kepblen gubietno.*

42

*Pripara yan apreba i budget i sistemān edukasiōn ni siña kinubre dos años na tiempo.*

Improve the education system's overall fiscal planning capabilities.

Budget the education system on a biennial basis to encourage operating stability.

#### THE EXISTING METHOD OF FUNDING THE EDUCATION SYSTEM IS NOT CONDUCIVE TO THE IMPLEMENTATION OF A QUALITY EDUCATION PROGRAM.

A proper commitment to education implies the effective allocation of resources. The education system needs to be funded at a level that will assure an efficient and effective discharge of the responsibility to provide education to the students of Guam.

The education system is currently funded on an annual basis. A ceiling is imposed on

#### I MANERA NI MAPRAKTIKIKA PARA MANNA'E KOPBLE I SISTEMAN EDU- KASIÖN TI HA AYUYUDA I MA'EMPLE- MENTA KUALIDAT NA PRUGRAMMAN EDUKASIÖN.

*I maolek na kinimiti pot edukasiōn kumeke  
i lekña na debi di u mana'e suficiente na  
kopble. Nesisita i sistema u mana'e nahong  
na kopble para todū patte kosa ki siña ma-  
cho'gue i responsabilidad-ñiha maolek para  
i estudiante siha giya Guahan.*

*Pa'go ma'apropria i kopble un biahi gi sak-  
kan. Mamidi ha' kuanto mas takhilo' para*

*u ma'apreba na kopble gigan esta matungo' kuantu para u maresibi na kopblen gubiet-no, achok ha' ti u maya yan i nesisidat edukasion. Humuyong na siña meggai na prugramma ti u makontinua ya i nuebu na prugramma ti siña maemplementa. Guaha na biahna i plaitu entre i kongressu yan i maga'lahi mana'llo tattie i edukasion gi budget i maloffan na sakkan achok ha' sigi ha' huldi i gaston edukasion. Este yan otro problema siha muna' fan manhasso i Department of Defense na u fan hatsa separao na eskuela para i famagu'on militat ni mañasaga Guahan.*

educational expenditures once general revenues are projected, regardless of actual needs. Consequently, the continuity of many educational programs is endangered and the implementation of new programs is prevented. At times, budgetary disagreements between the executive and legislative branches force the education system to revert to the previous year's funding level regardless of increasing educational costs. These and other problems recently prompted the Department of Defense to consider establishing a separate school system for military dependents residing on Guam.

*Na'e lugat i sistemana edukasion para siña u na'setbe i budget para u kubre i matulalai-ka yan diferentes klassen nesisidat.*

*Na'sahnge i kopble ni esta makomiti para edukasion i publiku yan mungamana'daňa' yan i fondon henerat.*

Provide flexibility within the budget to enable the education system to meet varying needs.

Maintain funds earmarked for public education separate from the General Fund.

*Espiha supotte para u mahatsa i nuebu na eskuela ni magofnesista yan u mafa'mao-lek i bihu na eskuela.*

*Prepara planu para i dilanton fasilitat para i sistemana edukasion para anakkóna tiempo.*

Seek support for the construction of critically needed new facilities and the replacement of out-moded school facilities.

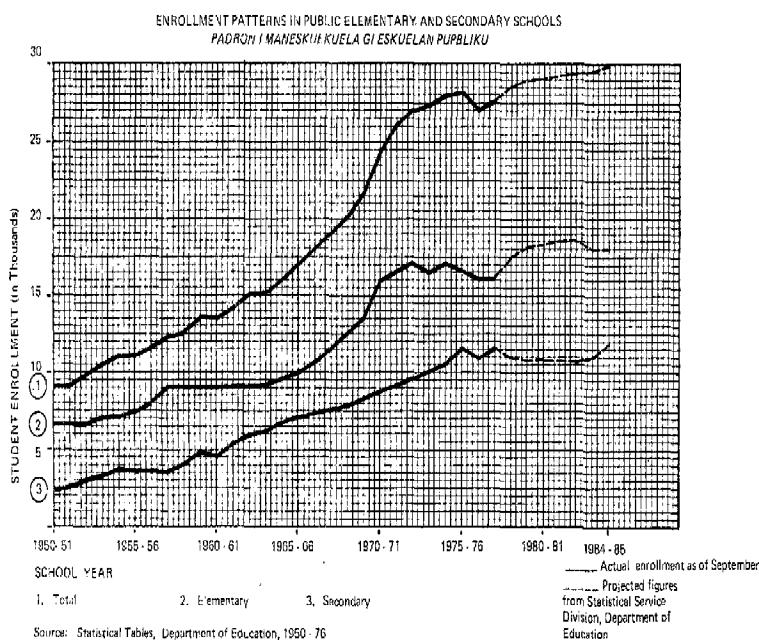
Develop a long-range capital improvement plan for education facilities.

### *I SISTEMAN ESKUELAN PUBLIKU TI U NAHONG FASILIDAT PARA I MAMAMAILA' NA 20 AÑOS NA TIEMPO.*

*Lameggai na eskuela esta manmotmot estudiante yan guaha kahna' ha'mannafatto gi ettimon i kapasidat-fiiha. I dos na eskuelan 10 - 12 gradu meggai-ha esta estudiante ke i kapasidat-ha. I elementary yan junior high na eskuela gi talo' yan san lagu na patte gi isla esta matto pat hihot matto gi ettimon i kantida ni dipotsi kapasidat i fasilitat. Esta manesista na u mahatsa elementary na eskuela ensigidas giya Astumbo na lugat para u kubre i famagu'on ni mañasaga*

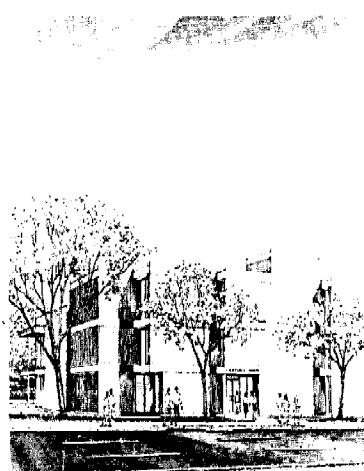
### **THE PUBLIC SCHOOL SYSTEM WILL NOT HAVE ADEQUATE SCHOOL FACILITIES WITHIN THE NEXT TWENTY YEARS.**

A number of schools are overcrowded and many are approaching the limit of their enrollment capacity. The two senior high schools are handling more students than intended. Elementary and junior high schools in the central and northern parts of the island are near or have reached peak enrollment capacity. There is an immediate need to build a new elementary school in Astumbo to accommodate the increased enroll-



*I marenueban i Nieves M. Flores Memorial Library, Hagåtña.*

*Renovated Nieves M. Flores Memorial Library, Agana*



*Usa gi ettimon nina'siña i manggaige na eskuela siha.*

*Pripara yan emplementa un efektibu na prugamma para ma'adahin i fasilitat eskuela.*

*Atbansa yan korihi i kondision i fasilitat edukasion.*

*Planea modelon eskuela ni u ma'fakcha' yan i klema yan kustumbrén i taotao Guahan.*

Maximize the use of existing school facilities.

Develop and implement an effective preventive maintenance program.

Improve and upgrade existing facilities on a continuing basis.

Design new facilities compatible with Guam's physical and cultural environment.

ment that will be brought about by the GHURA 500 Project and other housing developments in the area. The increasing use of temporary classrooms in some schools is evidence of the lack of sufficient facilities in certain areas.

The efficient use of existing school facilities is adversely affected by the lack of preventive maintenance. Although most schools were built within the last eleven years, many now are in poor condition and threaten the safety of the buildings' users. Costly repair and renovation is necessary to keep the schools operating.

New facilities are needed to house the projected increase in student enrollment and to replace existing facilities that are no longer educationally functional or structurally sound. The Government of Guam must make maximum use of local and federal resources to assure that adequate facilities will continue to be available. Furthermore, design of schools should enhance the educational experience of the students.

*gi nuebu na guma' ni hinatsan i GHURA yan otro guma' siha gi uriya. I ma'umentan temporariu na kuatto gi eskuela umendika na ti sufisiente fasilitat gi unus kuantos na lugat.*

*I maolek ma'usa-ña i manatacho na eskuela siha sen inefekta sa' ti maârerekla. Maskesha meggai nà eskuela manmahatsa ha' gi dies o onse años na tiempo, esta meggai manbaba pat peligru kondision-ñiha. Nesista mafa'maolek i eskuela achok ha' guaguan i gasto yanggen para u sigi ha' i eskuela kumalamten.*

*Nuebu na fasilitat manesisita para u kubre i ma'umentan i estudiante yan para u matulaika ayu i esta ti siña ma'usa sa' peligru pat esta tai setbe. I Gubietnon Guahan debi di u usa todì i siña na kopplen Guahan yan federat yan u mana'siguru na u guaha suficiente na fasilitat. Muchumas, i planun i eskuela debi di u atbansa i eksperiansi i estudiante siha.*

*I mapropoponi na high school para l sanhaya na bandan Guahan.  
Proposal for a Southern Guam Senior High School.*



*John F. Kennedy Senior High School.*



**TI MA'ATBABANSA / IDEHA NA SIÑA  
GUAHAN MAFA'SENTRO LUGAT GI  
UNIBETSIDAT NA BANDA.**

*Gi 1952 na sakkan na mahatsa komu kolehu para estudiant maestro, lao i unibetsidat Guahan ha umenta i programma-ña siha para u afakcha' yan i matulalaika na nesidad yan i dinisehan i residensian Guahan. Este na umentasion muna' tumulaika i estao-ña i unibetsidat para un kolehu ni sumesetbe Guahan yan i uriya-ña.*

*Gi tutuhon, i UOG ha na'e opottunidat i estudianten sanlagu Marianas yan Micronesia na u mapetsigi takhilo' na edukasiun. Pa'go komu guaguan i ma'edukan i estudiante ya didide' i kantida ni maneskuekuela, nesista u mas meggai na estudiante ginen otro siha na lugat. Muchumas, ti praktiku gi ekonomia na banda na u guaha mas ki uyu na unibetsidat guini na lugat sa' didide' i populasiun. Debi di u fandaña' i gubietno siha ya u mana'daña' i guinahan-ñiha para u maprodusi efektibu na programman edukasiun.*

*I UOG debi di u rikoknisa i estao-ña komu institusion este na patte gi Pasifiku yanggen para u supotte i diferentes na klassen programma ni manesisita ni estudiante este na lugat. Maskeseha pa'go mana'gogof empotante i estudian i tasi gi uriyen i isla, debi i UOG na' u rikoknisa na i isla-siha ha prisenata uniko na opottunidat annai siha manna'estudia i probleman i lugat, sosiadat, ekonomia yan pulitikat na banda.*

**GUAM'S POTENTIAL AS A REGIONAL CENTER FOR HIGHER EDUCATION HAS NOT BEEN PROMOTED.**

Originally established in 1952 as a teacher's college, the University of Guam (UOG) has expanded its educational programs to accommodate the changing needs and aspirations of Guam and its residents. This expansion, however, has been accompanied by a shift in the UOG's role to a regional institution which draws many students from the islands in the Western Pacific.

Initially, the UOG simply provided opportunities for Northern Marianas and Micronesian students to pursue higher education. Today, given the high cost of educating students and low student enrollment in relation to the necessary variety of programs currently offered, it is essential to broaden the student base. Moreover, it is economically impractical to have more than one university in the region due to the small population base. Regional cooperation among the various governments and pooling of resources to produce effective educational programs are essential.

The UOG must recognize its role as a regional institution if it is to support the variety of programs that residents need. Moreover, it must take a more active role in the development of the islands in the Western Pacific. Although current research efforts have emphasized the marine environment and its developmental potentials, the UOG must recognize that the islands provide ideal settings where many of today's environmental, social, economic and political problems can be studied.

*Na'guaha empeñu para u kinombida i estudianten Micronesia yan i tano' siha gi uriyen Guahan para u fan eskuela gi unibetsidat.*

*Na'suha i areklamento siha ni pumapatang i UOG na u huyong komu institusion para todū i Western Pacific.*

*Abiba i gubietnon i otro isla na u fañaonao gi ma'atbansan i UOG.*

*Aligao rikoknision yan fondo ginen i federat para masupotten i UOG komu institution todū i isla gi uriya-ta.*

*Tulaika i na'an UOG para u reflekta komu unibetsidat i Western Pacific.*

*Pripara yan implementa programma ni ha kumple i nesidad i estudiante guini na lugat.*

*Umenta i kapasidat i unibetsidat para u akonsehu i gubietnon otro isla-siha gi kinalamten-ñiha.*

*Atbansa mas estudia para u matungo' mas pat i Western Pacific.*

Provide incentives which will attract students from the Western Pacific to attend the University of Guam.

Remove legal barriers that prevent the University of Guam from becoming a regional institution.

Encourage the participation of the region's governments in the development of the University of Guam.

Seek federal recognition and support for the University of Guam as a regional institution.

Change the name of the University of Guam to reflect its regional character.

Develop and implement programs relevant to the needs of students from the region.

Increase the University of Guam's capability to provide expertise to meet the development needs of governments in the region.

Increase emphasis on research activities intended to increase knowledge about the Western Pacific.

## INADEQUATE RESOURCES IMPEDE THE UNIVERSITY FROM EFFECTIVELY EDUCATING STUDENTS.

*Establisa i suetdo gi UOG ni resunapble yan chilong yan i suetdon profesot gi otro unibetsidat.*

*Na'guaha opottunitad para i profesot para u atbansan maisa siha gi estudiant-ñiha.*

*Na'fañaonao i profesot yan estudiante gi mama'tinas areklamento yan mama'tinas desision.*

*Atbansa i sistema ni siña u ma'ebalu'a i kualidat i profesot siha gi che'chó-ñiha.*

*Espia supotten kopble ginen otro banda, kon todú i isla-siha gi Western Pacific.*

*Pripara planun fasilitat para i manmamaila' na tiempo.*

*Hatsa nuebu na fasilitat para library, rekreasian, labatoriu, kuatto yan ofisina siha.*

*Pripara yan emplementa programma ni para u ma'ekuta i destrosu yan yinilang gi fasilitat UOG.*

Establish a salary schedule for the University of Guam faculty which is equitable and competitive.

Provide the faculty opportunities for professional development.

Include faculty and students in policy and decision making.

Improve the system to evaluate the quality of the faculty's performance during employment.

Seek financial support from other funding sources including other islands in the Western Pacific.

46 Develop a long-range higher education facilities plan.

Construct new facilities including a library, recreational facilities, laboratories, classrooms, and office space.

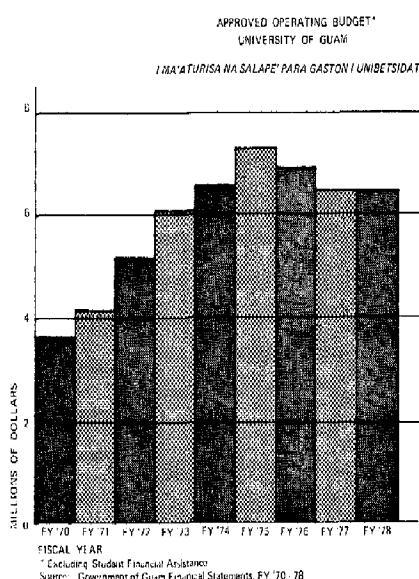
Develop and implement a preventive maintenance program for University of Guam's facilities.

**POT I TI KABALES I NESISIDAT I UOG GI FASILIDAT, PROFESOT, PRUGRAMMAN EDUKASION YAN PRENSIPATMENTE GI SALAPE' NA BANDA, MAPOT I UOG HA EDUKA EFEKTIBU I ESTUDIANTE SIHA.**

*Makeseha dankulo i adilanton i UOG ginen kolehun maestro asta unibetsidat, nesisariu na u guaha mas adilanto para masustieni i accreditation (i estao ni marikoknisa komu chilong yan otro unibetsidat ni maolek gi estados). Et mas dankulo pa'go na problema gi UOG i mandisganao i profesot siha sa' ti mansatisfecho ni suetdo, ti nahong opportunity para u atbansa siha yan ti manmaña'e lugat na u fañaonao gi mama'tinas disision.*

*Gi otro banda, komu guaha areklamento na u fan ma'ebalu'a i estudiante debi lokkue' di u mana'guaha areklamento na u ma'ebalu'a i profesot kosa ki u ma'lí'e kao maolek pat baba kapasidat-ñia mamana'gue. Este ha' na siña guaha siguridat pot kualidat na edukasion yanggen tantu i estudiante yan profesot manma'ebalu'a.*

*Yanggen para u sigi ha' u atbansa gue' i UOG, ti siña ha depende prensipatmente gi Gubietnon Guahan gi salape' na banda. Desde 1975, i ayudun i gubietno tumunok ya humuyong manma'uttot siha i programma, espesiatamente gi ayu na estao i mas takhilo' ke i 4 años gi unibetsidat (graduate level). Muchumas, i nesisariu siha na fasilitat tat komu library, para rekreasian, yan mas kuatto yan ofisina ti manma'arekla pat ti manma'umenta signun gi i nesisidat i UOG. Nesisita u ma'espia otro na supotte i UOG gi kopble na banda.*



**TI MA'ATBABANSA I IDEHA NA SINĀ  
GUAHAN MAFASENTRO LUGAT GI  
UNIBETSIDAT NA BANDA.**

*Gi 1952 na sakkan na mahatsa komu kolehu para estudian maestro, lao i unibetsidat Guahan ha umenta i programma-nā siha para u afakcha' yan i matulalaika na nesidad yan i dinisehan i residensian Guahan. Este na umentasion muna' tumulaika i estao-ña i unibetsidat para un kolehu ni su-mesetbe Guahan yan i uriya-ña.*

*Gi tutuhon, i UOG ha na'e opottunidat i estudianten sanlagu Marianas yan Micronesia na u mapetsigi takhilo' na edukasion. Pa'go komu guaguan i ma'edukan i estudante ya didide' i kantida ni maneskuekuela, nesista u mas meggai na estudiante ginen otro siha na lugat. Muchumas, ti praktiku gi ekonomia na banda na u guaha mas ki unu na unibetsidat guini na lugat sa' didide' i populasion. Debi di u fandaña' i gubietno siha ya u mana'daña' i guinahan-ñiha para u maprodusi efektibu na programman edukasion.*

*I UOG debi di u rikoknisa i estao-ña komu institusion este na patte gi Pasifiku yanggen para u supotte i diferentes na klassen programma ni manesista ni estudianten este na lugat. Maskeseha pa'go mana'gogof empotante i estudian i tasi gi uriyán i isla, debi i UOG na' u rikoknisa na i isla-siha ha prisensta uniko na opottunidat annai siña manna'estudia i prubleman i lugat, sosiadat, ekonomia yan pulitikat na banda.*

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The UOG must recognize its role as a regional institution if it is to support the variety of programs that residents need. Moreover, it must take a more active role in the development of the islands in the Western Pacific. Although current research efforts have emphasized the marine environment and its developmental potentials, the UOG must recognize that the islands provide ideal settings where many of today's environmental, social, economic and political problems can be studied.

*Na'guaha empeñu para u kinombida i estudianten Micronesia yan i tano' siha gi uridyan Guahan para u fan eskuela gi unibetsidat.*

*Na'suha i areklamento siha ni pumapatang i UOG na u huyong komu institusion para todū i Western Pacific.*

*Abiba i gubietnon i otro isla na u fañaonao gi ma'atbansan i UOG.*

*Aligao rikoknision yan fondo ginien i federat para masupotten i UOG komu instituition todū i isla gi uriya-ta.*

*Tulaika i na'an UOG para u refleksa komu unibetsidat i Western Pacific.*

*Pripara yan emplementa programma ni ha kumple i nesidad i estudiante guini na lugat.*

*Umenta i kapasidat i unibetsidat para u akonsehu i gubietnon otro isla-siha gi kinalamten-ñiha.*

*Atbansa mas estudia para u matungo' mas pot i Western Pacific.*

Provide incentives which will attract students from the Western Pacific to attend the University of Guam.

Remove legal barriers that prevent the University of Guam from becoming a regional institution.

Encourage the participation of the region's governments in the development of the University of Guam.

Seek federal recognition and support for the University of Guam as a regional institution.

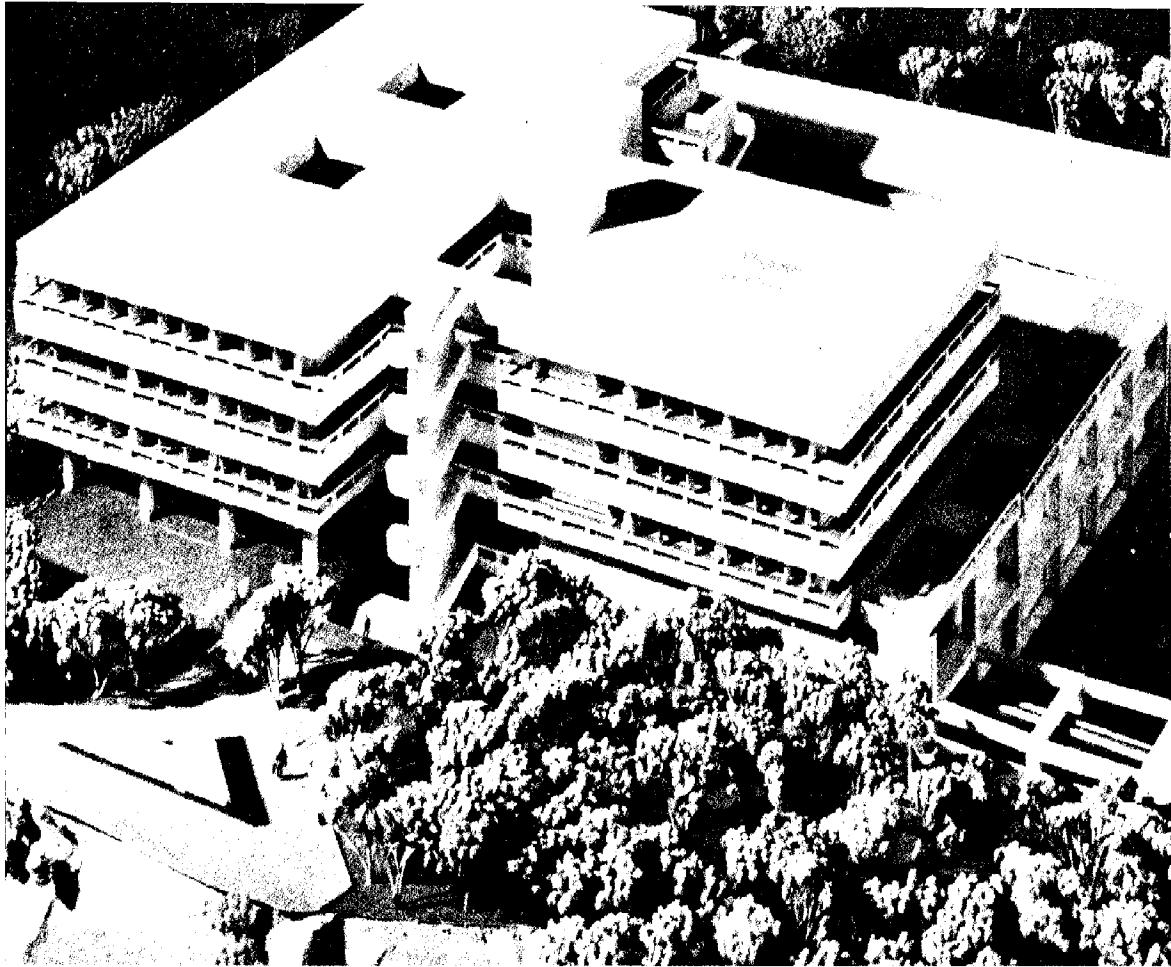
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Develop and implement programs relevant to the needs of students from the region.

Increase the University of Guam's capability to provide expertise to meet the development needs of governments in the region.

Increase emphasis on research activities intended to increase knowledge about the Western Pacific.





*I maolek na salut gof prisisu para u la'la' u kumple, u gaiproductu yan u satisfecho i taotao. Kada taotao debi di u gai opottunitat rumusibi todū i setbisiu ni ha nesista para i minaolek i salut-ña. Pa'go este siha na setbisiu mana'guaha ginēn i gubietro, medikun san hiyong, militat, yan suriana. Guaha kantida na setbisiu achok ha'kasi nuebu i sistema para ma'adahin i salut guiya Guahan. Lao meggai ha' na taotao manmamadedesi pot ti maolek salut-fiiha sa' ti malangak manmanapasi pat sino ti matungo'man guatu na siña masodda' i setbisiu ni ma-nesista.*

Good health is essential in achieving a satisfying and productive life. Every person on the island must have the opportunity to obtain health care services to meet their needs. Currently, these services are provided by the local government, private practitioners, the military and traditional curers. The range of services provided is extensive, even though Guam's health care system is relatively new. However, many residents suffer from poor physical or mental health because they cannot afford, or lack access to, adequate medical care.

## QUALITY HEALTH CARE SERVICES MUST BE AVAILABLE TO THE PEOPLE OF GUAM AT AFFORDABLE COSTS.

*Empeñu para manataha chetnot yan i inadahin i maolek na salut ginen i sinapotten yan mana'dankulo i programma para i edukasion pot salut.*

*Abiba i diferentes klassen sumetben i tras tes yan i fasilitat i ospitat para u suha i duplikasiun ni muna'guaguaguan i setbisiun mediku.*

*Na' mas maolek i che'cho' yan i efektan i sistemian i inadahin i salut i pupbliku ginen i ma'adilanta i kapasidat i manmaneneha yan i manmacha'cho'gue siha na cho'cho'.*

*Kontinua mana'guaha setbisiu para i salut i pupbliku mientras ma'abibiba mana'ayuda i setbisiun i medikun san hiyong yan i medikun gubietno.*

*Na'maolek i kualidat i setbisiu para i salut i taotao ginen i ma'establis, emplementa yan ma'adu i programma ni ha asigurao kualidat na inadahin enfetmera yan mediku.*

*Abiba i ma'usan i programman siguridat salut ni inapasisiyi palu ni manmanemplele'a.*

Emphasize preventive measures and the maintenance of good health by supporting and expanding health education programs.

Eliminate duplication of expensive medical services by encouraging multiple use of facilities and equipment.

Improve the efficiency and effectiveness of the public health care system by improving management capabilities and practices.

Continue to provide public health services while emphasizing coordination between public and private health care services.

Improve the quality of health services by establishing, implementing and monitoring a medical and nursing care quality assurance program.

Encourage greater use of employer-subsidized health insurance programs.

## DEBI DI U GUAVA KUALIDAT YAN RESUNAPBLE NA PRESIUN SETBISIUN MEDIKU PARA I TAOTAO GUAHAN.

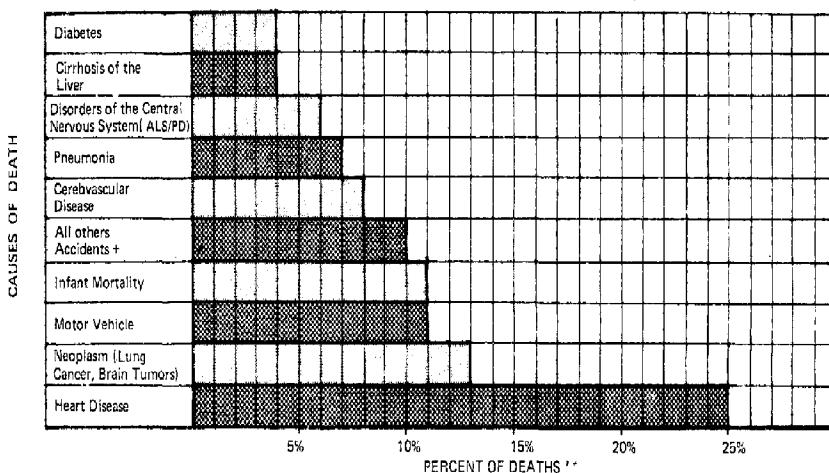
*I apas mas mahahasso i taotao ni munesista i setbisiu. Maseha meggai gi gaston salut enapapasi ni i gubietno, guaha na alos ettimos mafa'negosiu komu un fektos komet-siante alugat di nesisidat i sosiata. Ma'eks-peka na i taotao debi di u mas responsapble para u apasi i setbisiun mediku ni ha resibi, yanggen para u suficiente yan ti u ma'ayuda i ospitat ni gubietno. Este siem-pre ha opbliga kada malangu na u fanapasi maseha ha langak pat ti ha langak. I lai ilek-ña na responsabilidat i gubietno para u na'guaha setbisiun mediku maseha hafa ka-pasidat-ña manapasi.*

*I sumaonaio i gubietno manapasi para amot yan setbisiu makritissa sa': 1) I gubietno ti debi di u entalo' yanggen guaha gi san hiyong malago' yan kapas ha kubre i pupbliku. 2) Yanggen u mentalo' i gubietno ha na'-pedi i setbisiu yan ha na'apan i salape' i pupbliku.*

*I kinibren amot yan setbisiu para maolek na salut esta bumalansia entre i pupbliku yan i medikun san hiyong. I gubietno ha na'siguru na u guaha setbisiu yan amot pa-ra todou i taotao parehu, ha langak pat ti ha langak manapasi, mientras i kompani'an setbisiun salut san hiyong sigi ha' ma'atban-sa. Siguru na' u guaha kualidat na setbisiu komu guaha ko'operasion entre i gubietno yan i san hiyong na ofisiat salut.*

GUAM'S TEN LEADING CAUSES OF DEATH\*  
1972-1976

*I DIES NA RASON NI MAS MANMAMATAI I TAOTAO (1972 - 76)*



\* Other causes of death are not included

\*\* Average for five years

+ Percent does not reflect those killed in the 1976 plane crash

SOURCE: HEALTH PLANNING AND RESOURCE DEVELOPMENT AGENCY

**NA' MAS MEGGAI ALIMENTO GI NEN-KANNO' I FAMAGU'ON YAN I MAN-AMKO'.**

*Desde duru manggalamten i populasion, gi diferentes siha na aktibidat, hasan na ta konsidera hafa kinanono'-ta. Esta este i ti apmam na tiempo na maripapara na ginen i timaolek na kustumbrén chumó'cho mas mankontribubuyi gi probleman salut. Pa'go esta matungo' na meggai gi probleman salut ginen i ti maolek na kustumbrén chumó'cho. Mangof yomok i famagu'on yan manamko' ginen i klassen nenkanno' ni makakanno' pat ti makakanno'.*

*Pa'go, meggai na programma manmatuthan para u ma'arekla i kustumbrén chumó'cho. I programman food stamp, i amotsa yan na' talo'ani para i famagu'on eskuela yan i nenkanno' para i manamko' kada dia, mana'guaha para u na'e suficiente na alimento ni nesisidat i tataotao. Lao este siha na programma kalang ma'u'usa para manayuda gi man didide' suetdo gi tiempon tak-hilo' na presiu. I programman eskuela debi di u abiba i maolek na kustumbrén chumó'cho. I manbente hulo' asta sinkuenta años ti mana'fañaonao gi programman alimento. Debi i regulasian i pupbliku madirihhi guatu guini na edat siha.*

**INCREASE NUTRITIONAL LEVELS OF CHILDREN AND ADULTS.**

With the emergence of a very mobile population, we often do not take the time to consider the types of foods we are eating. Until recently, eating habits were not seen as major contributors to health problems. Now, it is known that a number of health problems result directly from improper eating habits. Overweight children and adults, tooth decay, vitamin deficiencies, and underweight infants occur, in part, from types of food that are or are not being eaten.

Today, many programs have been initiated to improve eating habits. The Food Stamp Program, the School Lunch and Breakfast Program and daily meals for the elderly have been designed to provide necessary nutritional supplements. However, these programs appear to be utilized only as additional sources of income during a period characterized by a high cost of living. Educational programs are needed to emphasize the importance of practicing good eating habits. However, many people are excluded from participating in nutrition programs, especially the highly mobile, productive group roughly between the ages of 20 and 50. Public policies must also be directed toward this group.

*Na' mas maolek i kustumbrén chumó'cho para i famagu'on nuebu na entrada esta i numiru 12 na gradu ginen i masupotten yan i dumankulon i programman edukasiun alimento.*

*Establisa ma'estudia alimento gi Unibetsidat Guahan ni debi u mana'saona gi edukasiun ma'estro-siha.*

*Rebaha i machalapon yan finatai ginen i mantatme na chetnot ginen i ma'establisun un programma para u marikoknisa yan ma'ataha i mantatme yan manpekuu na chetnot.*

*Abiba todú i taotao Guahan ya u bisita i mediku gigon masiente na manmalangu siha.*

*Improve children's food habits by supporting nutrition education programs in grades kindergarten through twelve.*

*Educate teachers regarding nutrition by establishing a health course requirement at the University of Guam.*

*Reduce the occurrence, spread and number of deaths from diseases by establishing communicable and chronic disease prevention, detection and treatment programs.*

*Encourage residents to visit doctors for examination and at the first sign of illness.*

*I sentron salut, Inarajan. Inarajan Health Center.*



*Todu famagu'on ministet manmabakuna.  
All children must be immunized.*



*Abiba todū i taotao Guahan ya u protehīn  
maisa siha ginen ma'establisā yan ma'aten-  
de un programman edukasiōn ni ha abibiba,  
i minaolek na salut.*

Encourage every resident on Guam to protect themselves from illness through education programs that emphasize good health.

*Manu na siña debi di u matutuhon i edukasiōn salut gi  
mas taatāf na tiempo.*

Health education should begin as early as possible.



*Ataha i ma'adoptan i ti manaya siha na hinengge ginen i programman i institusion ya abiba i hinengge ni manaya yan i minalago' i residensian Guahan.*

*Supotte yan na' ladankulo i programma ni  
siña ma'probeni o inamte i chetnot mentat.*

*Na'guaha endibiyu'at na programman man-  
amte para kada malangu ya u siña mas chad-  
dek mana' atta gi ospitat.*

*Na'guaha setbisiu gi kada komunitat para i  
salut mentat yan u fanma'amte ayu siha i ti  
munesisita manma'ospitat.*

Avoid the adoption of conflicting values by realigning institutional programs to promote values consistent with resident desires.

50 Support and expand programs which prevent or treat emotional and mental illnesses.

Provide individualized treatment programs for patients so that release from in-patient care is possible.

Provide community-based mental health services which meet the treatment and rehabilitation needs of persons who do not require hospitalization.

Improper eating habits have direct effects on the occurrence, spread and number of deaths resulting from chronic diseases. Among the leading causes of death on Guam, heart disease, infant deaths, diabetic and liver diseases are, in part, nutrition-related. In order to prolong the lives of our residents, increase their capabilities to lead productive lives, and minimize pain and discomfort, it is not only important to establish treatment programs but to emphasize the need for our residents to assume more of the responsibility for personal, preventive care.

*I ti dinanche na kustumbren chumo'cho ha  
efefekta direktu i machalapon i chetnot  
yan i finaitai ginen i manserioso na chetnot.  
I mas pumupuno' i taotao Guahan, chetnot  
korason, finatai patgon, diabetis, yan chet-  
not higadu. Este siha na chetnot masodda'  
na enpatte ginen i ti dinanche na kustum-  
bren chumo'cho. Para u mas anakko' i lina'-  
la' i taotao Guahan, umenta i kapasidat i  
taotao para manprodusi yan alibia i pinade-  
si yan i chinatsaga, ahe' ti ayu ha' prisisu i u  
fan ma'establisā programma para manamte,  
lao prisisu lokkue' na ma'abisa i taotao na  
nesisariu na u guaha responsapbilidat-ñiha  
para u ma'adahi i tataotao-ñiha.*

#### **THE INTRODUCTION AND ACCEPTANCE OF NEW VALUES AND LIFESTYLES HAVE CREATED TREMENDOUS MENTAL STRESSES ON THE PEOPLE OF GUAM.**

Since World War II, the people of Guam have experienced rapid changes in traditional values and lifestyles. Many residents have had difficulty in coping with the growing pressures and anxieties associated with modern living. Immigrants have had to adapt to new situations. More and more children are accepting new values which differ from their parents'. In response to social and economic changes, many residents have turned to crime, drug use and alcohol. This type of behavior is often symptomatic of poor mental health.

The government's basic philosophy is that individuals should have the opportunity to maintain and improve their mental health, preferably in an environment which best suits their particular needs. Facilities, services and programs must be provided to help residents cope with modern pressures as well as treat residents who are unable to cope with existing problems. Mental health service teams must be able to operate in populated villages while centralized facilities must be provided and continuously improved for those requiring hospital care.

*I MA'INTRODUSI YAN MA'AKSEPTA I  
NUEBU NA RAMAS KONSIENSIЯ YAN  
NUEBU NA MODELON LINA'LA' HU-  
MUYONG NUEBU NA CHETNOT MEN-  
TAT PARA I TAOTAO GUAHAN.*

*Desde i mina' dos na geran todū i tano', i  
taotao Guahan ha eksperensiа chaddek na  
tinilaika gi tradisionat na balot yan i modelon lina'la'-ñiha. Meggai somodda' na gof  
mapot mafana' i dumadankulo na hineño'  
yan chathinasso ni dumadaña' yan i modet-  
no na modelon lina'la'. I marimigrante mi-  
nistèt ma'adapta i lina'la'-ñiha gi nuebu na  
situasion. Mamas pa'go i famagu'on ma'ak-  
septa nuebu siha na balot ni ti manaya yan  
i hinenggen i mañainan-ñiha. Gineri este i  
matulaikan i sosiadat yan i ekonomia, meg-  
gai kumokontra i lai, meggai kumakanno'i  
amot para u fanmanguifi yan meggai man-  
maneneska para u fanbulachu. Este siha na  
aksiōn sinot ti gef maolek i salut mentat i  
tano'.*

*I hinenggen i gubietno na kada taotao debi  
di u gai opottunidat para u ma'adahi yan u  
umenta i minaolek i salut i mentat-ñiha. Mas  
maolek na u gaige gi lugat annai chumilong i  
uriya-ñiha yan i nesisidat-ñiha. Fasilidat, setbi-  
siu yan programma debi di u guaha para u  
fan inayuda i taotao fumana' i probleman-  
ñiha. Debi di u fanma'amte ayu siha i mu-  
nesisita. Debi di u guaha taotao i Mental  
Health gi kada sengsong o siudat ya i sen-  
trat na fasilitat debi di u maprobeniyi, u  
mana' mas dankulo, mas maolek yan mas  
kapas para ayu siha i munesisita manma'-  
fañaga gi ospitat.*



**Office of Consumer Counsel**  
 DEPARTMENT OF LAW  
 Guam's Consumer Protection Agency



Office of Consumer Counsel  
 DEPARTMENT OF LAW  
 Guam's Consumer Protection Agency

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*Ginen i dumankulon yan kumahulo' i ekonomian Guahan, ha na' gof gai guinaha i tano', lao ha na'guaha lokkue' prublemma para i manmama'mahan. Giya Guahan, annai chaddek matulaika ginen manlancha asta i manhotnanat; annai i taotao ma'a atan sigun gi guinaha-ña; annai meggai tuma'titiyi i kustumbrén Amerikanu; i taotao ni manmama'mahan faset manmafa'baba gi meggai na fektos yan setbisíu ni ha fafahan. Meggai na biahí na ti ha tungo' i diferensia sa' ti ha komprende i pikatdian i komunitante.*

The growth and development of Guam's economy brought not only prosperity to the island, but also problems for the consumer. On Guam, where the transition from family farming to a wage and employment oriented economy has been rapid; where the individual's status in the community is usually defined in terms of material wealth, such as cars, furniture, television, etc.; where most of the people are becoming more like "statesiders"; consumers are easy targets for many goods and services. Consumers are usually not aware that they have been abused because they are not well informed.

## What does OCC do?

The Office of Consumer Counsel (OCC), a division of the Department of Law, is your Territory consumer protection agency. This office was established in 1974 by Public Law 12-36 to enforce provisions under the government code, Title LV.

The Office of Consumer Counsel investigates consumer complaints, and also works to prevent the occurrence of unfair and deceptive practices through:

- ENFORCEMENT -- investigations, settlements, subpoenas, and when necessary initiates legal action.
- EDUCATION -- advice and information to the consumer; and presentations to civic organizations, schools, and other interested groups. Also maintains a resource library.
- EXPOSURE -- provides important information to consumers through radio, press and television.

OCC is designated as the Governor's liaison to the U.S. Consumer Product Safety Commission. The Commission protects the public against unreasonable risks of injury associated with consumer products.



## Do you have a complaint?

If you have any complaint, the first step for you is to complain directly to the merchant or company and give them opportunity to resolve the situation. If you cannot get satisfaction, you can file a complaint with OCC. However, if you think a clear case of fraud exists, you should contact OCC immediately.

## How to file a complaint

You may file a complaint with OCC in writing or in person. When you file your complaint be sure to include the following information:

- Your full name, address, and phone number and the name, address, and phone number (if known) of the party about whom you are complaining. Please include names of salespersons with whom you dealt.
- Explain your complaint in detail.
- State any action you have taken, including the hiring of an attorney, to bring your complaint to the attention of the party about whom you are complaining, and what the response has been.
- You should be prepared to supply this office with copies of contracts, warranties, or other relevant documents pertaining to the complaint. Do not send originals of these documents.

When writing, address complaint to:  
Office of the Consumer Counsel  
P. O. Box DG  
Agana, Guam 96910

Upon receiving your complaint the OCC must make a determination of fact and decide whether the problem is covered by existing laws or regulations. When actions are determined to be unfair, but not unlawful, OCC offers mediation between parties in dispute. OCC may also advise you of alternative remedies available to you, such as small claims court.

## Hints for avoiding consumer problems

- Think defensively -- ask what can possibly go wrong and what documentation you will need if it does go wrong.
- Have all warranties and performance claims put in writing and keep copies.
- Shop around and compare prices.
- Don't be pressured into signing anything.
- Read a contract before you sign it.
- Remember a contract signed "as is" means the seller does not guarantee the performance of the product sold.
- Don't sign a blank or incomplete contract.
- Keep a copy of what you sign.
- Obtain a written estimate of probable repair costs.

## Please remember

The primary purpose of the Office of Consumer Counsel is the protection of the citizens of Guam through education and awareness of consumer rights and responsibilities. Fair competition and honest business practices must be encouraged to benefit both the reputable business community and the consumer alike.



*I DIGERIAS I KOMETSIANTE YAN I  
MAFA'BABAN I TAOTAO SIHA LUMA'  
MEGGAI YAN DUMADANKULO.*

*Ti na'manman para un kometsiante u fan dagi pat u usa hafa na atte yanggen ha bebende i setbisun-ña o i fektos-ña. Guaha na ma'indusi i taotao para u fahan i fektos ni ti safu' o ti maolek. Pot i didide'i manmama'mahan ya gof takhilo' i gaston i kometsiante muna'tumaya' kompetensia. Sigi ha' manmama'hān i taotao achok ha' guaguan i presiu siha. Meggai ni manmama'mahan manmandidibi. I mannana'ayao matatasa i mas takhilo na intires ni ha konsidente i lai. Oto mas, meggai ha' fumifitma i kontratan dibi achok ha' ti magof komprende todū i gaige gi kontrata.*

### THE INCIDENCE OF UNFAIR BUSINESS PRACTICES AND CONSUMER ABUSE IS GROWING ON THE ISLAND.

It is not uncommon for certain businesses to resort to lying or the use of deceitful tactics in selling products or services. Consumers are sometimes induced into buying products that are unhealthy or unsafe. The relatively small number of consumers and the high cost of doing business on the island does not encourage competition. As a result, consumers must pay for goods and services regardless of high prices. Many consumers who resort to credit-buying are not in the position to bargain for lower interest rates so financing and lending institutions charge the maximum rate allowable by law. Furthermore, consumers often sign credit contracts without a full understanding of their terms.

*Establiga un programma para u fan maéduka siha i taotao ya u matungo' todū i manempottante na punto ni para u fanginia haf-taima'nu maprotehin maisa siha.*

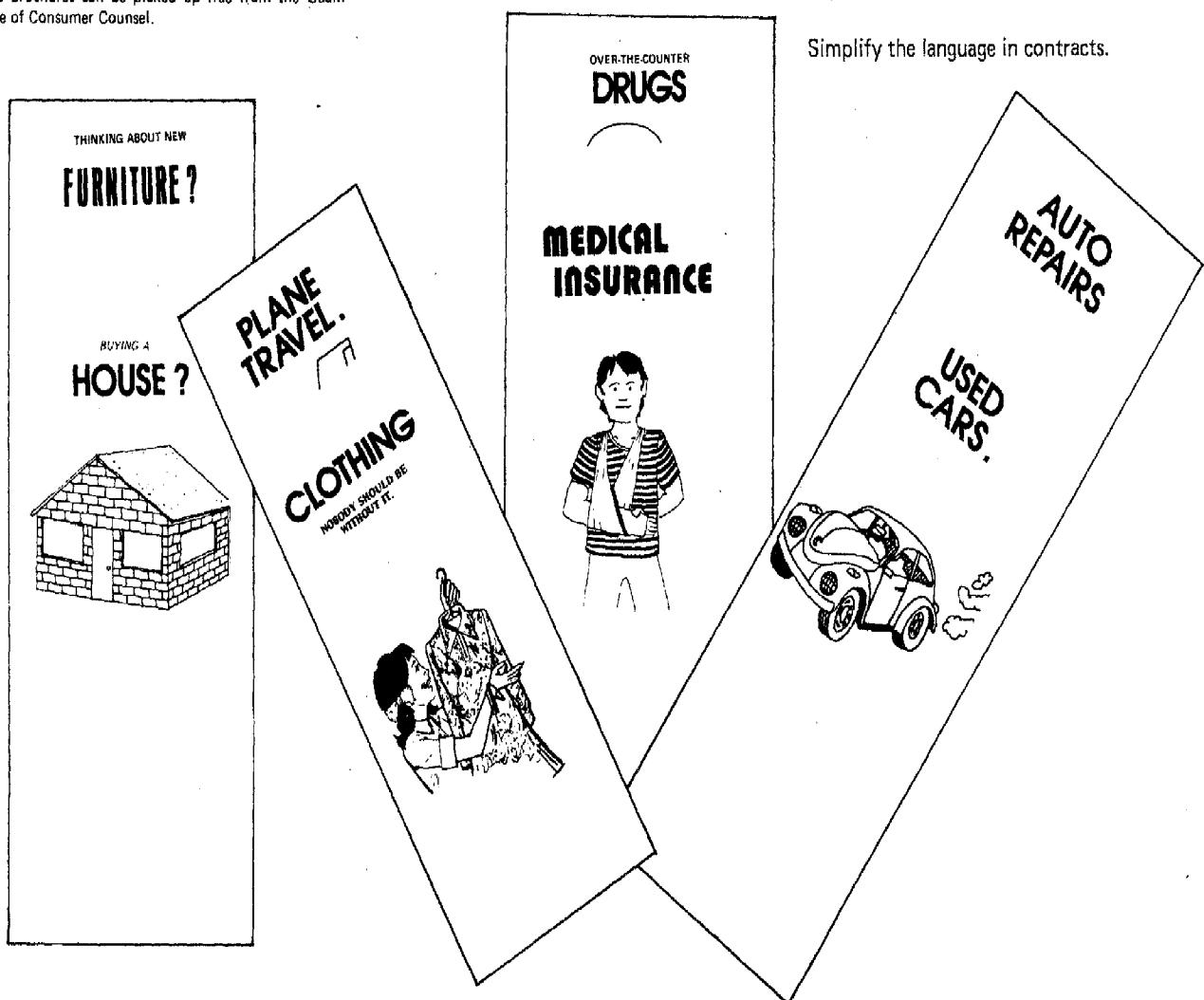
*Munga ma'abiba i ti manmaolek na che'cho' i kometsiante, opbliga siha ya u matattiyi i lai ni guaha, yan pasa siha nuebu na lai komu manesisita.*

*Na' mas komprendiyon i lengguahi ni ma'-u'usa gi kontratan dibi siha.*

Establish a comprehensive consumer education program to teach the consumer to act more effectively in his individual interest.

Discourage undesirable business practices by enforcing existing consumer protection laws and enacting new laws as may be needed.

Simplify the language in contracts.



*Supotte yan abiba i maestablisian grupu para u protehi i manmama'mahan yan para u fan marepresentayi gi me'nan i komision siha gi gubietno.*

Encourage the establishment of consumer interest groups to represent consumers before government regulatory bodies.

Consumer abuses are not limited to the private sector. Many consumers are frustrated with the services of the government-owned utilities such as telephone, water, and power. They feel that rates are high in comparison to the low quality of service. Presently, consumers can not effectively participate in structuring utility rates because they do not have the knowledge and expertise that is necessary to evaluate rate increases. Consumers are also adversely affected by the inability of some government regulatory bodies, such as the insurance commission, to adequately protect consumer interests.

*I abusun i manmama'mahan ahe' ti i kometsiante ha' chomo'cho'gue. Meggai na tao-tao esta manyayas yan ti manmagof nu i setbisiun telefon, i hanom, yan i elektrisidat. Masiesiente na dimasiao guaguan i apas para i pe'din setbisiu. Trabiha ti siña i taotao manñaonao gi maregulat i presiu sa' ti siña ma'ebalua i mahatsan apas. I taotao siha ti maninayuyuda manprinetehi ni komision ni mafotma sa' kafang ti mana'siña. Pot i hemplio i komision para i mama'sigurao ti nahong o ti sufisiente che'cho'ñiñiha para u protehi i interes i manmama'mahan.*

## **HOUSEHOLD APPLIANCES & FLOOR COVERINGS.**

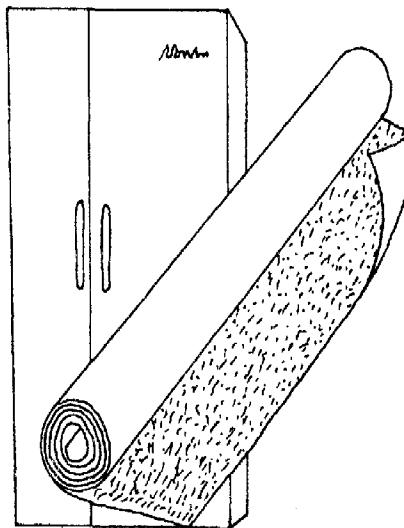
### **ABOUT COSMETICS:**

NEVER BEFORE HAVE SO MANY COSMETICS BEEN AVAILABLE TO MAKE MEN AND WOMEN MORE ATTRACTIVE, MORE DESIRABLE AND MORE SOCIALLY ACCEPTABLE. MOST OF THESE PRODUCTS CAN BE CONSIDERED SAFE IF YOU READ THE LABEL AND OBSERVE SOME SAFETY PRECAUTIONS.

### **ABOUT WEIGHT CONTROL:**

ONE OUT OF EVERY THREE (3) AMERICANS CARRIES EXCESSIVE FAT, AND A GOOD PORTION OF THE OTHERS THINK THEY DO. THUS, WE SPEND OVER \$1,000,000.00 AN HOUR IN AN ATTEMPT TO SLIM DOWN. WE SPEND THIS MONEY ON REDUCING GADGETS, HEALTH SPAS, DRUGS, DIETETIC FOODS, FAD DIETS, AND ANY NEW MIRACLE SOLUTION THAT PRESENTS ITSELF.

## **HOME REPAIR BLUES ?**





*Guaha gi programman Welfare ayudu para u na' saga i taotao gi asentadu na guma', sayan nenkanno' yan ayudu para i publiku. Matutuhon este para u fan ma'ayuda i mannesitao, i manamko', i manakpapa' suet-don-riha yan i mannai'nina'siña. I tinakhi-lo' i gasto para un la'la', i matulaikan i dimandar i che'cho' siha na tiningo' yan eksperensia yan i nesisidat i residensia chumochonnek meggai para u fanmanespia asistensia. Maseha i gubietno-ta ha asigura i welfare para man ayuda ya ahe' ti para u tah'gue i emple'ao, debi di u kontinua u ma'ayuda ayu siha i ti muna'siña ha na'satisfecho i nesisidat-riha gi nenkanno', magago yan i liniheng.*

Welfare programs such as housing assistance, food stamps and public assistance programs were initiated to meet the needs of particular segments of the population, including low income families, the handicapped and the aged. The high cost of living, changing job requirements and resident needs have forced many residents to seek assistance. Although the local government must ensure that welfare programs do not become substitutes for employment, it must continue to provide assistance for those residents who cannot satisfy their basic needs for food, clothing, and shelter.

*Kontinua i asistensia para i mannai'na'-siña ya na'guaha asistensia para i siña manmacho'cho' yanggen manesisita lao para kada'da'na tiempo.*

*Na'debi i mansiña manmacho'cho' na ma'-usa i abision i konseherun emple'a'o yan i programman i pupbliku ni manpripapara para diferentes klassen cho'cho'.*

*Na'debi i siña manmacho'cho' na u fanhalm gi eskuelan teknikat yan programman edukasion para i manamko' mientras manmarisibi asistensia.*

Continue assistance for disabled persons while providing assistance to able-bodied persons, as necessary, on a short-term basis.

Require that all able-bodied recipients utilize employment counselors and public training programs.

Require able-bodied persons to attend career, adult and vocational educational programs while receiving welfare benefits.

*I kantidan i asistensia ni debi di u mana'e kada taotao, debi di marenueba para u re-flektá i pa'go na gaston lina'lá kosa ki siña makubre i nesisidat i mannai'kapasidat.*

*Espia kao pusipple mafa'tinas lain federat para u masubi i programman i asistensia para i pupbliku maseha 50 pot siento gi gaston i prugramma.*

Update the standard of assistance to reflect current costs of living in order to meet the needs of the handicapped.

Seek legislation to raise the federal contribution to Guam's Public Assistance Program to at least 50% of actual cost.

#### WELFARE PROGRAMS PROVIDE INCENTIVES FOR ABLE-BODIED PERSONS TO REMAIN ON WELFARE.

Many able-bodied persons lacking high school diplomas or training certificates receive welfare benefits. Moreover, other persons that are employed may be receiving assistance because their wages are not sufficient to support their families.

Instead of encouraging welfare recipients to find employment or improve their skills, welfare programs provide incentives for able-bodied persons to remain on welfare. The smaller the income and the larger the household, the more assistance a person receives.

Although welfare programs must continue to assist those persons who actually need assistance, there must be a greater commitment toward reducing welfare rolls. As long as there are incentives to remain on welfare, programs, such as the Work Incentive Program, which were designed to encourage employment, may not be effective.

#### THE AMOUNT OF ASSISTANCE PROVIDED HANDICAPPED RESIDENTS ELIGIBLE UNDER THE PUBLIC ASSISTANCE PROGRAM IS INADEQUATE.

Guam's Public Assistance Program provides assistance to individuals on the basis of the 1969 cost of living. This assistance is obviously inadequate to meet current needs. Local officials have estimated that the cost of living has increased at an average of 6.5% per year since 1969.

Local and federal funding constraints have prevented adjustments in the amount of assistance given to recipients. By law, assistance must be provided to all eligible applicants. However, because such assistance is provided on the basis of the 1969 cost of living, even projected expenditures of \$5.4 million will not adequately meet the needs of all applicants. Moreover, the federal government has imposed a \$1.1 million ceiling on Guam's Public Assistance Program, whereas it provides 50% or more of the funding requirements to mainland states.

#### I PRUGRAMMAN WELFARE HA ABIBI-BA I SIÑA MANMACHO'CHO' PARA U SIGI HA' MANMAWELFARE.

*Megai na taotao ni siña manmacho'cho' yan manmannai' edukasion manmanana'e salape' ginen i welfare. Ti mansiña manñoda' che'cho'-ñiha sa' taya' diploman high school o sino papet para u apreba na ginen man eskuelan manmacho'cho'. Megai lok-kue' ni mangai che'cho' manmanana'e welfare sa' ti suficiente suetdon-ñiha ya ti malangak makubre i nesisidat i familian-ñiha.*

*Enlugat di u abibiba para u fanespia che'-choña o sino u eskuelan macho'cho', i welfare ha abibiba i taotao para u sigi ha' manrisibi asistensia. Entre mas didide' i suetdo yan mas megai persona gi familia, mas megai marisibi na asistensia.*

*Maseha debi di u makontinua i ayudun welfare para i mangos nesisitao, u ma'espia empeñu para u marebaha i numirun taotao gi listan welfare. Mientras ha ki guaguaha abiba para u sigi ha' manmawelfare, ti siña efektibu i "Work Incentive Program", pat otro programma ni para u inabiba i taotao para u facho'cho'.*

#### I AYUDU PARA I MANNAI'KAPASIDAT NI MAN KUALIFIKAO PARA U FAÑAO-NAO GI PRUGRAMMAN WELFARE TI NAHONG PARA I RESIDENSIA NI DEBI DI U MAFANAYUDA.

*Un programma para ayudun pupbliku giya Guahan ha nana'e kada persona asistensia sigun i 1969 na sakkan. Este na ayudu annok na ti suficiente para i nesisidat pa'go na tiempo. I ofisiat gubietno maeستima na 6.5 pot siento kahulo'lo'ña i gaston lina'lá' kada sakkan desde i 1969 na sakkan.*

*I mafunut i salape' i gubietno-ta yan i federat ha prohibi i mahatsan i kantidan salape' para mana'chilong yan i nesisidat i manma'ayuyuda. Sigun i lai debi di u fanma'ayuda todú i manmanaplika ya man kualifikao. Este na asistensian i federat ha na'chilong yan i nesisidat i 1969 na sakkan ya maseha ma'apunta \$5.4 miyon, ti suficiente para u kubre todú i mankualifikao. Muchumas i federat ha po'lo pot mas takhilo' \$1.1 miyon para Guahan mientras ha nana'e i estados giya Amerika 50 pot siento o mas ki i nesisidat-ñiha. Mas megai na kantida*

*manmana'e i Virgin Islands yan Puerto Rico ki Guahan sa' mahatsa mas i manmana'en-  
ñiha gi 1972 na sakkan lao Guahan ahe'.*

The ceiling for the Virgin Islands and Puerto Rico was increased in 1972 but has not been increased for Guam.

*Espia kao siña ma'implementa i program-  
man Supplemental Security Income.*

*Alos ettimos ti mana'saonao Guahan gi  
"Supplemental Security Income Program."  
Este na programma i salape' pura ha'i fede-  
rat umapasisiyi yan mumaneneha. I minao-  
lek este na programma yan i rason hafa na  
ti sumaonao Guahan debi di u ma'embesti-  
ga sa' ta gof nesista otro fondon asistensia.*

Finally, Guam cannot participate in the Supplemental Security Income program which is 100% federally funded and administered. The advantages of this program and the reasons why Guam is excluded from participation must be investigated as an alternative source for providing assistance.

Investigate the feasibility of implementing the Supplemental Security Income program.

**DOLLAR VALUE OF PUBLIC ASSISTANCE AVAILABLE TO ELIGIBLE APPLICANTS 1978\***  
**I BALIN I ASISTENSIAN PUPBLIKU NI MAPROBENIYI PARA I MANKUALIFIKAO NA APLIKANTE 1978**

Minimum and Maximum Amounts of Assistance		Household Size (Number of Persons)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Minimum Basic Individual Requirements (Food, Clothing, Personal and Household Needs) <sup>1</sup>	MONTHLY	60	120	165	210	240	270	285	300	315	330	338	345	353	360	368
	YEARLY	1,720	1,440	1,980	2,520	2,880	3,240	3,420	3,600	3,780	3,960	4,056	4,140	4,236	4,320	4,416
Fixed Optional Premiums for Power, Water, Cooking, Telephone, Shelter <sup>2</sup>	MONTHLY	85	85	100	100	102	102	117	117	117	118	118	118	118	118	118
	YEARLY	1,020	1,020	1,200	1,200	1,218	1,218	1,398	1,398	1,398	1,416	1,416	1,416	1,416	1,416	1,416
Total Maximum Assistance <sup>3</sup>	MONTHLY	145	205	265	310	342	372	402	417	432	448	456	463	471	478	486
	YEARLY	1,740	2,460	3,180	3,720	4,098	4,458	4,818	4,998	5,178	5,376	5,472	5,556	5,652	5,736	5,832

\* ROUNDED TO THE NEAREST DOLLAR

1. ALL ELIGIBLE RECIPIENTS RECEIVE THIS AMOUNT ACCORDING TO HOUSEHOLD SIZE

2. NOT ALL RECIPIENTS RECEIVE FIXED PREMIUMS, THEY FIRST MUST ESTABLISH THE NEED

3. SUM OF MONTHLY/YEARLY BASIC REQUIREMENTS PLUS MONTHLY/YEARLY FIXED PREMIUMS

## THE BREAKDOWN OF FAMILY UNITS HAS CONTRIBUTED TO LARGER WELFARE ROLLS.

*Rebisa i lai yan i regulasion i programma ni muñenega i pattispasian i familia mana'-ayuda gi nesisidat asistensia.*

*Na'guaha ayudun kontribusion para ayu siha na familia i sumopopotte i parientes-fíli-ha ni mannesistao.*

*Na'guaha leksion pot i maplane'an familia gi eskuela siha para u inataha kinahulo' o dumankulon i listan welfare.*

*Enfuenta i lai pot masupotten famagu'on.*

Revise laws and program requirements which discourage extended family participation in addressing the assistance needs of individuals.

Provide tax exemptions for households supporting extended family members needing assistance.

Reduce future increases in welfare rolls by providing family planning courses in the school system.

Enforce child support laws.

In the past, extended family members cooperated in providing for the basic needs of the handicapped, the aged, unwed mothers and other family members requiring assistance. As the extended families break down and the cost of living increases, care for these persons is now becoming a public responsibility.

Unless more public funds are committed to welfare programs, the local government will not be able to effectively meet this responsibility. Measures which reduce the number of welfare recipients and recognize the importance of traditional forms of assistance, must be implemented.

In January, 1978, almost half of the cases in the Aid to Families with Dependent Children program were unwed mothers. An analysis of the statistics indicates that the number of such cases will increase in the future. Measures to reduce increases must address laws and certain social and cultural attitudes which discourage birth control.

The number of divorces and separations is also increasing. While the extended or immediate family previously cared for the

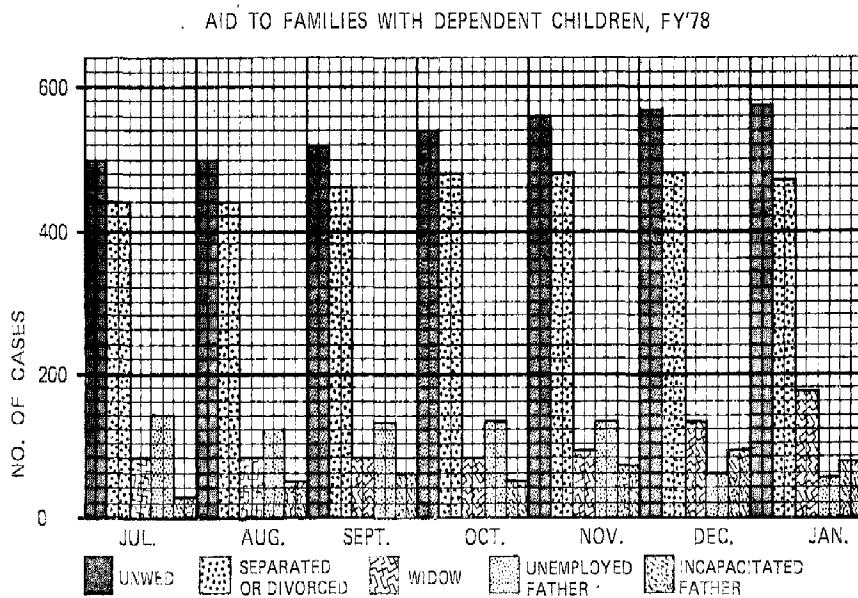
*I MACHALAPON I FAMILIA MANKON-TRIBUYI GI DINANKULON I LISTAN WELFARE.*

*Antes na tiempo i membro siha gi familia mana'-ayuda para u maprobeniyi i ti man-kapas, i amko', i manmañago sin asagua yan otro membro ni munesisita ma'ayuda. Entre sigi mas machalapon i familia, gaige i responsabilidad para i nesisidat este siha gi publiku.*

*Solu makumiti mas salape' ginen i fondon i publiku, i gubietno-ta ti siña ha kubre este na responsabilidad. Ministet u guaha empeñu para u marebaha i numirun taota gi listan Welfareyan u marikoknisa i empot-tanten i tradisionat na fotman ayudu ya u ma'implementa este siha.*

*Gi Enero gi 1978 kahna' ha' lamita gi listan welfare man nana sin asagua (asistensia para familia ni manggai dikike' na famagu'on). I faktu siha ha indika na siempre mula'meg-gai este na grupu gi manmamaile' na tiempo. Yanggen para u marebaha este, debi di u ma'analsia i lai yan eskaman sosiat yan kuttura ni muñenega i Birth Control.*

*I numirun dibotsiu yan separasion kuma-huhulo' lokkue'. Antes, i familia ha' munana'e i dibotsiao yan separasion ni nesi-dat-ñiha, lao pa'go este na taota man-*



Source: Assistance Payments Section, Dept. of Public Health and Social Service , 1977



*responsabilidad i gubietno. Guaha ha' na manmalago' este siha mañaga yan familia lao i ekonomia kalang ha'na' gof makkat yan chatsaga. I pragramman welfare ha na'papara i asistensia yanggen dumaña' yan familia i manrisisibi ayudu. Debi guini giya Guahan na ta chagi uma'ayuda este siha na taotao — debi di ti rikoknisa na i familia siña ha ayuda este siha para u mafana' i nesisidat-niha gi sosiat, mentat yan ekonomia na banda.*

children affected by divorces and separations, the government is now providing assistance to these children. In some instances, unwed, divorced, or separated persons desire to live with other family members but find it economically unfeasible. Under certain welfare programs, residing with other family members disqualifies applicants or reduces welfare benefits since total household income is a primary criterion in determining eligibility and the amount of assistance. Local efforts in providing assistance must recognize that families can provide some assistance in meeting the economic as well as social and psychological needs of welfare recipients.

*Asigura na u guaha todú klassen birth control para ayu i munesisita.*

*Rikoknisa na i benifisju i asistensian welfare para u suplementa i guinahari i familia ahe' ti para u tahgue.*

Assure accessibility to birth control measures and methods.

Recognize that welfare benefits should supplement family assistance and not replace it.

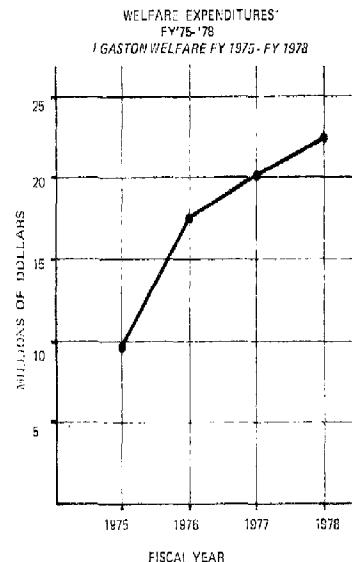


*I TI MANSIUDADANU SIÑA MARISIBI WELFARE YANGGEN HA ESTABLISA / ESTAO RESIDENSIAS.*

#### NON-CITIZENS CAN RECEIVE PUBLIC ASSISTANCE AFTER ATTAINING RESIDENCY STATUS.

*Para u saga Guahan i ti siudadanun Amerika ministet i estranheru u mafitmayi ya u ma'asigurao na ti u apo' gi pupbliku. Lao yanggen esta ha establisa na petmenente gue' na residensiya, siña mangagao asistensia ginan i welfare. Para u maditetmina na ma'apo' i estranheru gi pupbliku, debi di u risibi asistensia, u makopbla pot ayu na asistensia, ya u renunsia mu apasi.*

In order to enter Guam, an alien must obtain an affidavit signed by a sponsor which assures that the alien will not become a public charge. However, once becoming a Permanent Resident Alien, an individual is eligible to participate in most federally funded public assistance welfare programs. In order to become a public charge, the alien must receive public assistance, be billed for the assistance, and refuse to pay the bill.



\* Includes the Food Stamp, Public Assistance, Low Rent Public Housing (excluding construction costs), and Housing Assistance Payments programs and administrative costs.

Source: Guam Housing & Urban Renewal Authority and the Department of Public Health and Social Services, 1978

*U ma'espia ya u masubí i kontribusion i federat gi programman welfare gi gubietno-ta yanggen para u kontinua u responsaple nu este siha i ti mansiudadanan.*

Seek increased federal assistance for local welfare programs if the local government must continue to be responsible for the welfare of Permanent Resident Aliens.

However, federal guidelines which regulate some welfare programs suggest that recipients cannot be billed for the assistance since an additional financial burden will be imposed upon these recipients. Whether intentionally or unintentionally, these vague guidelines have allowed aliens to receive public assistance and have transferred the responsibility for the well-being of aliens from their sponsors to the local government.

*Guaha lokkue' regulasión i federat para i manmanrisisibi asistensia ginan i welfare na ti siña un kopbla sa' u mas chatsaga. Mahosngon pat ti mahosngon este siha na regulasión muna' fan manana'e i ti mansiudadanan asistensia ya ti manresponsaple i fumitmayi siha. Pot este na rason, i responsabilidad na ma'ayuda i estranheru matransferi gi-nen i fumitmayi asta guatu gi i gubietno.*



JB JONES 1-11-15

#### THE BENEFITS AND CONSEQUENCES OF GUAM'S WELFARE PROGRAMS HAVE NOT BEEN ASSESSED.

*TI MA'EBALULU'A I BENIFISIU YAN I  
RESUTTAN I PRUGRAMMAN WEL-  
FARE GIYA GUAHAN.*

Welfare expenditures will continue to rise. However, since the establishment of welfare programs on Guam, there has been no assessment of the true needs of the people or the number of households that need public assistance. Essentially, financial assistance has been provided to persons who fall under a category and income level determined by the federal government. Given the high cost of living, Guam's poverty level needs to be more accurately determined. The types of assistance programs implemented on Guam may be undesirable due to the unique social characteristics. Many people who actually need assistance continue to support themselves while others do not hesitate to seek assistance. The benefits and consequences of participating in these programs must be addressed.

*I gaston i welfare na programma sigi ha' kumahulo'. Desde matutuhon este na programma taya' na ma'asigurao kao magahet i nesisidat i taotao o quanto na familia giya Guahan debi di u fañaonao. Yanggen ha ditetmina i federat na takpapa' i suetdon i aplikante, ma'ayuya ni welfare. Ta tungo' na gof takhilo' i gaston lina'la' Guahan. Debi di u magef estadia ya u ma'ditet-mina manu dipotsi na estao na popble i taotao. I klassen asistensia ni ma'implementa Guahan siña ti maolek para i klassen sosiat guini. Meggai taotao ni munesisita asistensia kumontinunu'a masupotten maisa siha, mientras guaha otro sen chaddék manmangaogao. I benifisiu, i inefekta gi taotao Guahan yan i resutta ginan i welfare na programma debi di magef estadia yan magef ripara.*



*Idehan un attisa pot haftalmanu pusision-na i antigü na songsong Mochom gi gansianu na tiempo.*  
An artist's interpretation of how the ancient village of Mochom may have looked centuries ago.

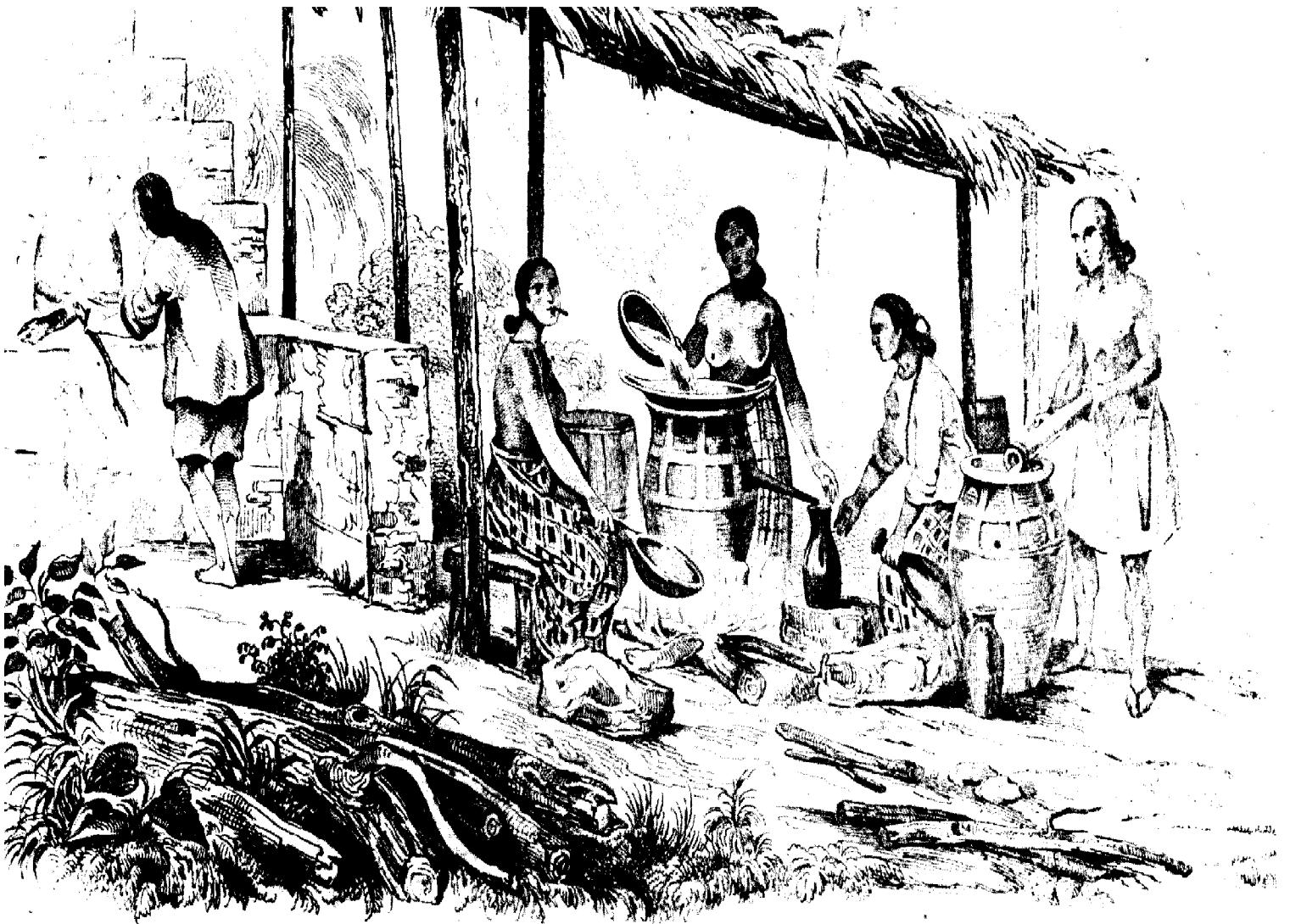
63 *I Erensian / Kuttura*  
73 *I Masustienin Historia*  
81 *Dibetsion*



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*Taya' parehu-ña Guahan na lugat para māsayi. Ahe' ti pot i klema ha', i hechuran i tano', i dinaña' diferentes klassen taotao, i meggai lengguahi, modelon manhatsan gu'ma' yan i tasi. Todu este siha yan mas manmankontribuyi gi modelon i lina'la' i isla. Mientras guaguaha ha' siha ginan antes na tiempo, guaha aktibidat siha gi prisente na lina'la'man empottante yan manggaibali para i komunitad. Este na kapitulo ha eksammina dos na tinetche ni muna' acheton pa'go yan antes, pot mas klaru i masustienien i historia yan i erlesia ginan i manantigu. Maéksamina lokkue' rekre'asion, un aktibidat ni mulala'empottante para todū i taotao Guahan.*

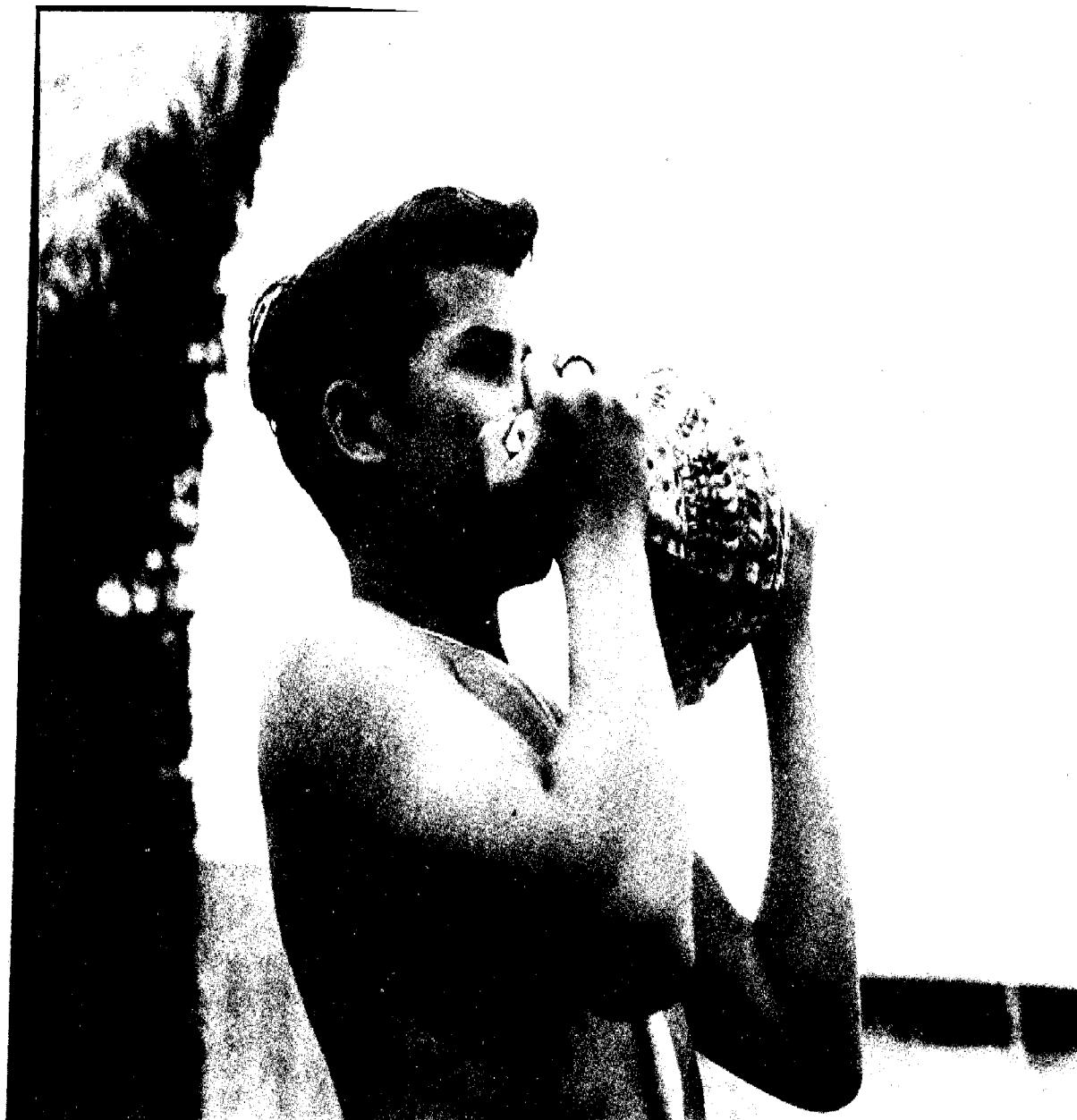
Guam is a unique place to live. It is not just the climate, the physical appearance of the land, the mixture of people, the different languages, the architecture, or the sea. All of these things, and more, contribute to what is called the island's lifestyle. While having links to the past, the island's lifestyle also includes activities of importance and value to the community. This chapter explores two links into the past, cultural heritage and historic preservation, as well as recreation, an activity of increasing importance to all the residents of Guam.



3. Distillerie d'Eau de vie de Cire à Génève.

I pinenta ginen i lepblon Dumont d'Urville gi 1835 ni mafanana'an "A Voyage Around the World" annai annok talmanu manmanestila i Chamorro.  
Sketch showing distillation technique by Chamorros from Dumont d'Urville's 1835 book "A Voyage Around the World."

## NOTES:



*I tumungo' hafa fina'pos-ña muna' magahet yan fitme i identifikasiyon gi kuttura yan gai siniente na guiyá unu gi grupun taotao. Komu fitme un grupu gi hinenggen kuttura, nina' mamas metgot yan gai'adilanto i kinalamten-ña mientras ha fafana' kantidan tinalaika. Yanggen dumafía' este na grupu yan otro siha gi eksperensiya, kustumbre yan hinengge muna'siña humuyong un sosiat gof riku yan tai parehu.*

Knowledge about one's past legitimizes and strengthens the cultural identification and solidarity shared by a group of people. A strong cultural image of a group contributes positively to the growth and development of a society in the face of constant change. When this group interacts with other ethnic groups, the sharing of experiences, practices and values can result in a rich and unique society.

**ETHNIC DIVERSITY ON GUAM CAN BE A POSITIVE CONTRIBUTING FACTOR TO A RICH AND UNIQUE ISLAND SOCIETY.**

*Abiba i manatulaika i programman kutūra yan otro nasiōn.*

Encourage cultural exchange programs with other countries.

Recognition of the diverse ethnic composition of Guam's population is essential if current and future generations are to appreciate their heritage and understand their development as a society. Although various ethnic groups demonstrate different cultural values and practices, these differences do not mean that one culture is superior to another. The combination of various cultural traits can result in a society which has a rich, diversified heritage.

*I KANTIDAN I NASION YAN RASA SIHA NI MANASAGA GUAHAN SINĀ MUNA' RIRIKU YAN TAI PAREHU I SOSIADAT I ISLA.*

*I marikoknisan i mesklao nasiōn ni mañasa-ga Guahan prisiu yanggen i pa'go yan i mammamaila' na henerasion para u ma'agradesi i erensian i kuttura yan u makomprende i kinalamten-ñiha komu un sosiadat. Ma-seha guaha gi otro nasiōn siha mana'a'annok na ti parehu i hinenggen kutturan-ñiha, yan i kustumbren-ñiha, ti kumeke i lekña este na un kuttura u mas takhilo'o superiot ki i otro. Ginen i mamesklan i meggai na kuttura na siña humuyong un sosiadat ni riku gi erensian kuttura.*



*I pinantan Rienzi siha, 1836. Sketches by Rienzi 1836.*

64 *Atbansa i kinomprende yan i na'fa'maolek gi halom i komunidat ginen i abiban i tiningo' pot i kutturan i diferentes nasiōn tao-tao ni mañasaga Guahan.*

Promote understanding and harmony within the community by fostering and encouraging knowledge about the various ethnic groups on Guam.

Unfortunately, misunderstandings regarding cultural differences have resulted in prejudices and ethnic tensions that surface when various groups interact. Frequently, instead of contributing to the creation of a unique island society, cultural differences become the basis for keeping groups apart.

*I chatkinomprenden i kuttura ti gef na'magof, yan ginen este na manuhuyong i chinali'e, yan i pethudika ni mana'annok yanggen manasoda' o mandaña'. Lugat di u fankontribuyi para u mafotma uniko na sosiadat ha na' fan adispatta i grupu siha.*

*I TI NAHONG TININGO' POT I HISTORIAN GUAHAN MANKONTRIBUYI GI FINALINGON I FOTMASION YAN BINANIDOSON KUTTURA.*

*I timatungo' i historian Guahan yan i ti matungo' i kuttura, pi'ot ha' i natibu, mankontribuyi gi mayamak i kuttura, i dinañá, i kontinuásion, i minetgot yan i adilanton i kutturan Chamorro.*

*Meggai gi historian Guahan tinige' ayu siha i tumalaika mas i kareran i Isla. Este muna' ti klaru yan ti gef kabales ma'atan-ña hafa siha manmaloffan, ya enlugat di u atbansa i imahen kuttura, ha atatahi i lina'la' i kultur Chamorro.*

#### THE LACK OF KNOWLEDGE ABOUT GUAM'S HISTORY CONTRIBUTES TO THE LOSS OF CULTURAL IDENTITY.

The lack of knowledge about Guam's history and culture, especially by the indigenous population, has contributed to the breakdown of cultural unity, continuity and the strength and growth of the Chamorro culture.

Much of Guam's history has been recorded by those who have drastically altered it. This has led to a distorted view of past events and does not provide a positive cultural image, but acts as a deterrent to strong cultural ties.

*Abiba i marikoknisan i grupu yan i petsona siha gi historian Guahan sa' este siha mansimbolun fina'pos i kuttura yan i kinalamten i Chamorro.*

*Abiba yan supotte i matuge' i historian Guahan ni rumeleksa i magahet na fina'pos Chamorro.*

*Na'debi di guaha leksion pot historian Guahan yan i kuttura gi sisteman i eskuela.*



*Ginen i estao Guahan komu teritoriu, na esta ta adopta meggai na hinenggen i kutturan Europa. Muchumas, mana' keke parehu i Chamorro yan i Amerikanu gi hinenggen kuttura, konsiensia, hinasso, yan kustumbre. Yanggen dumafía' yan i hinasson-ñiha pot i historian Guahan ni ti mankomprendiyan, humuyong na ti inatbansa i tai parehu yan empottante siha na patte gi historian Chamorro.*

Due to Guam's status as a territory, it has been strongly influenced by Western cultural values. However, the efforts to bring Guam and its people into the American mainstream, coupled with historical interpretations unfamiliar to the experiences of the people of Guam, have done little to promote and increase the unique and meaningful aspects of Chamorro history.

Encourage that recognition be given to events and persons in Guam's history since they serve as symbols of the cultural experiences and growth of the Chamorro people.

Encourage and support an interpretation of Guam's history which reflects the actual experiences of the Chamorro people.

Require that courses in the history and culture of Guam be incorporated in the formal education system.

THE ABSENCE OF RECOGNITION AND SUPPORT OF INDIGENOUS AND TRADITIONAL ARTS HAS LED TO A LACK OF LOCAL ART FORMS, MUSIC, FOLKLORE, AND LITERARY WORKS.

*Na'siguru na u ma'usa i modelon guma'an-tes, propio matiriat Guahan yan i bunitun i tano' gi nuebu na kinahat fasilitat yan guma.'*

*Abiba i che'cho' attisa ginen: (a) I marikok-nisan i che'cho'-ñiha ni muna'a'annok i fina'pos yan i bunitun Guahan. (b) Abiba i manmama'kosas ya u ma'usa i propio ma-tiriat Guahan. (c) U mana'fandaña' halom gi pragramman attisa gi eskuela i antes na fotman manlasquin hayu, i mama' flororu, yan i plato, yan i tinifok. (d) I manhoben siha na manda'dandan u mana' fan mahungok ni guaha na klassen sonidu, u fan manu'e ni guaha na klassen dandan yan u mana'fanekongok nu ayu siha i kantan Chamorrita ni muna'a'annok i espiritun i Chamorro.*

*Abiba i manhuyong o mafa'tinas yan i ma-taitai estoria, lepblo yan otro klassen tinige' fino' Chamorro gi halom i sisteman eskuela.*

*Abiba manmakonne'-ñiha para u fanmacho'-cho' ayu i man mana'e dibetsion na taotao Guahan.*

Ensure that historical architectural styles, indigenous materials, and environmental aesthetics are incorporated into all construction and development activities.

Encourage local creativity by a) recognizing local artists for work which is expressive of the environment and experiences of Guam's people; b) encouraging craftsmen to utilize indigenous materials in the production of handicrafts; c) incorporating the traditional forms of carving, pottery making, and weaving into basic art programs in Guam's schools; and d) exposing young musicians in the educational system to the sounds, instruments, and songs which reflect the Chamorro spirit.

Encourage the development of Chamorro literature, especially within the education system.

Encourage the hiring of local entertainers.

*I TAYA' MARIKOKNISA 'YAN MASU-POTTE GI PA'GO YAN ANTES NA CHO'-CHO' ATTISA MUNA' TAYA' FOKLORI-KO, MUSIKA YAN LEPBLO SIHA.*

*I otinariu yan sesso mahungok na hineng-ge pot che'cho' attisan Chamorro na debi di u apreba na ginen espiritu i manfine'-nena na taotao Guahan muna' fandisgana-nao i attisan i isla. Meggai ni antes o man antigua manmalingo. Lao meggai na fotman attisan Chamorro manmacho'cho'gue' di-nuebu ya mana' fan a'annok na manempot-tante komu ebidensian i espiritu i ekspe-rensian i taotao Guahan.*

*I matulaikan i kuttura a'annok gi diferentes klassen fotman che'cho' attista, i kanta, i baila, i hempo, i tinige' yan i fina'tinas kosas.*

*I nuebu na kinomprende pot kinalamten i kuttura yan i che'cho' attisa nesisariu. Debi di u mana'magoftungo' na i che'cho' attisan Guahan mumanifesta i kuttura ya ayu i manekspererensia manapas manprodusi.*

*I palasyon maga'lahin Guahan, Government House of Guam.*



*I TI NAHONG TININGO' POT I HISTORIAN GUAHAN MANKONTRIBUYI GI FINALINGON I FOTMASION YAN BINANIDOSON KUTTURA.*

*I ti matungo' i historian Guahan yan i ti matungo' i kuttura, pi'ot ha' i natibu, mankontribuyi gi mayamak i kuttura, i dinaña, i kontinuasion, i minetgot yan i adilanton i kutturan Chamorro.*

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Much of Guam's history has been recorded by those who have drastically altered it. This has led to a distorted view of past events and does not provide a positive cultural image, but acts as a deterrent to strong cultural ties.

*Abiba i marikoknisan i grupu yan i petsona siha gi historian Guahan sa' este siha mansimbolun fina'pos i kuttura yan i kiniamten i Chamorro.*

*Abiba yan supote i matuge' i historian Guahan ni rumeffekta i magahet na fina'pos Chamorro.*

*Na'debi di guaha leksion pot historian Guahan yan i kuttura gi sisteman i eskuela.*



*Ginen i estao Guahan komu teritoriu, na esta ta adopta meggai na hinenggen i kutturan Europa. Muchumas, mana' keke parehu i Chamorro yan i Amerikanu gi hinenggen kuttura, konsiensi, hinasso, yan kustumbre. Yanggen dumaña' yan i hinasson-ña ha pot i historian Guahan ni ti mankomprendiyan, humuyong na ti inatbansa i tai parehu yan empottante siha na patte gi historian Chamorro.*

Due to Guam's status as a territory, it has been strongly influenced by Western cultural values. However, the efforts to bring Guam and its people into the American mainstream, coupled with historical interpretations unfamiliar to the experiences of the people of Guam, have done little to promote and increase the unique and meaningful aspects of Chamorro history.

Encourage that recognition be given to events and persons in Guam's history since they serve as symbols of the cultural experiences and growth of the Chamorro people.

Encourage and support an interpretation of Guam's history which reflects the actual experiences of the Chamorro people.

Require that courses in the history and culture of Guam be incorporated in the formal education system.



## NESISITA TA RIKOKNISA I KUSTUMBREN ANTES PARA U MAS TAKHILO' I IDENTIFIKASION I KUTTURA.

*Maseha gof metgot i influensan i meggai na klassen nasion, i Chamorro sigi ha' ha mantiene i kustumbrén antes ni u mayuyuda siha kumubre i nesisidat-ñiha. Este siha na kustumbre i tumala'ya, i ma'usan i amot Chamorro, i baotismo, i fandango yan i bela yan otro siha na okasion.*

*I meggai tiningo' pot i kuttura ni dumáñyan este siha na kustumbre siña manmatañas manu na manmatai i prumaktitika paggo. Solu mafa'tinas empeñu para maprisetba yan mafana'gue siha i taotao Guahan pot i empottante na erensiā, teniki malingu.*

## A RECOGNITION OF TRADITIONAL PRACTICES IS NEEDED TO ENHANCE CULTURAL IDENTITY.

Despite the strong influences of various ethnic groups, the Chamorro people have managed to retain traditional practices which have served to meet their needs as well as maintain unique cultural ties. These practices include net fishing, curing illnesses, and rites of passage such as funerals, weddings or christenings.

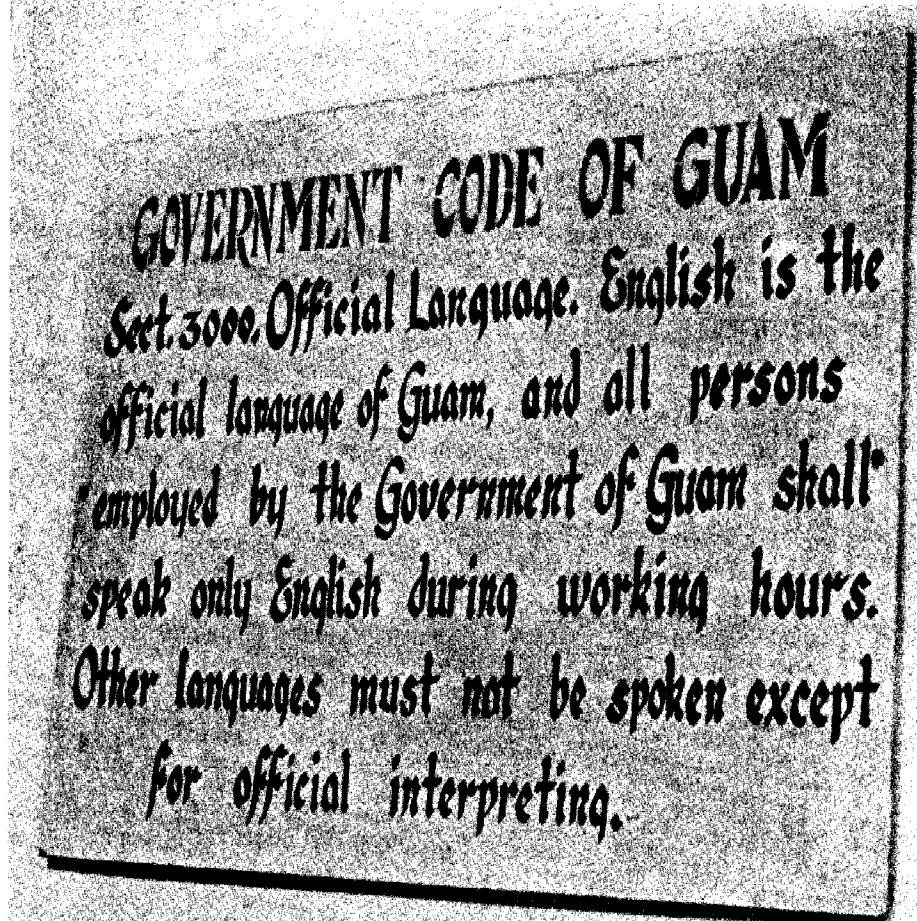
The wealth of cultural knowledge associated with these practices may disappear with the older generation of practitioners. Unless there are efforts to preserve and teach this knowledge, Guam residents will lose an important part of their heritage.

*Abiba rispeto para i kustumbrén antes giñen i man atulaikan tiningo' entre i estudiante yan i prumaktitika siha.*

*Rikoknisa ya prisenta ofisiatamente un fina' premio o rekuetdo para ayu siha i petsona o grupu ni u mu'usa i manantes o tradisiónat na tiningo'.*

Encourage respect for traditional practices through educational exchange between students and practitioners.

Officially recognize individuals or groups which practice traditional skills.



IN PURSUIT OF ENGLISH  
PROFICIENCY, THE USE OF THE  
CHAMORRO LANGUAGE HAS BEEN  
DISCOURAGED.

*Atbansa i mafana'guen i dos lengguahi gi eskuela sigun gi filosofia na gaibali ma'usani-ña.*

*Na'siguru na i taotao ni kapas umusa i dos lengguahi u mana'e preferensia yanggen malago' macho'cho' gi ofisinan gubietno annai ha fafana'i publiku.*

*Prohibi na u marechasa i taotao ni fumino' Chamorro o fino' Chamorro ha' tiningo-ña.*

68 Promote functional bilingualism in the schools based on the philosophy that bilingual ability is worthwhile.

Ensure that persons with bilingual ability be given preference in occupations which require public service contact.

Prohibit discrimination against individuals who speak Chamorro.

POT NESISARIU NA PARA TA FINO'  
ENGLES MAOLEK, MACHANDA I FINO'  
CHAMORRO.

*Taya' mas klaru muna'annok na managofamadesi lao maolek estorian taotao Guahan ki i tinalaikan i fino' Chamorro. Maseha i fino' Chamorro guaha matulaika-ña, i lengguahi i mas klaru na ebidensia na man-prefekto Chamorro i taotao Guahan.*

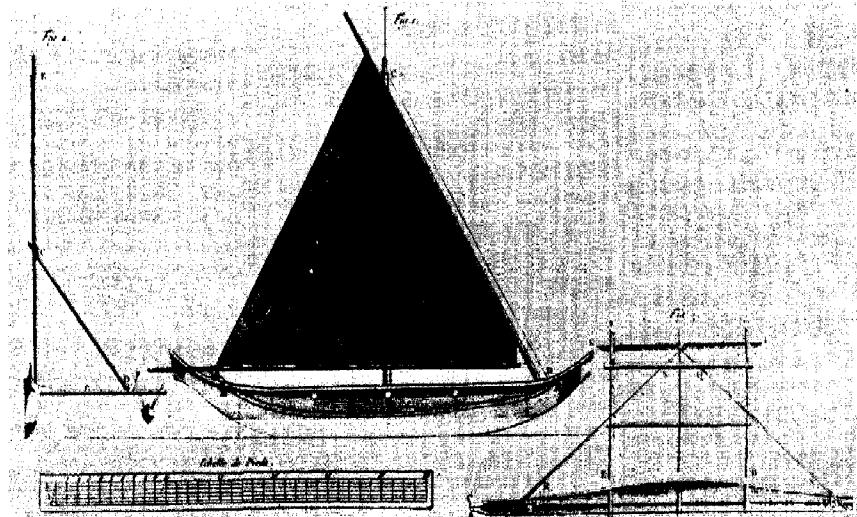
*Nesisariu na u matungo' i fino' Engles pa'go na tiempo. Na'triste i machandan i fino' Chamorro para u matungo' maolek i fino' Engles. I diruuda pot i setben-ña i fino' Chamorro muna'falilingo i lengguahi-ta. Ginen este lokkue' na meggai gi kustumbrén Chamorro manmalingu, pi'ot gi manhoben siha. Pot i hemplo i manngenge' mapot mapula' gi fino' Engles. Kumeke i lekña este na' yang-*



*gen fumino' Chamorro i taotao; siempre lokkue' inatbansa mo'na i kustumbren yan hinenggen Chamorro.*

*I manmansupopotte na u ma'usa mas i fino' Chamorro ti ma'aksepta i ideha na yanggen un u'usa meggi na lengguahi inestotoba i nina'siña-mu tumungo' i fino' Engles. Yanggen i isla ha gof abiba i ma'usan este i dos na lengguahi siempre u annok i nina'siñan i taotao ni tumungo' dos na lengguahi ya mas man'engancha entre mas tiempo. Muchumas, ti ma'aksepta lokkue' i ideha na ti siña i fino' Chamorro ha fana' i nuebu na situasion siha. Pa'go, ti ma'u'usa i fino' Chamorro gi teknikat siha na situasion. Ti kumeke i lekña este na ti siña ma'usa. Ku-*

*I galáide' i manansianu na Chamorro ni pinentan George Anson, George Anson's sketch of the Flying Proa.*



among the youth. For example, "mannenge" (the smelling of hands) is a Chamorro sign of respect that is difficult to express in English. In other words, the Chamorro language promotes identity simply by its use.

The promotion of the Chamorro language rejects the notion that speaking many languages hinders one's ability to speak English. If the island actively encouraged bilingualism, the effectiveness of our citizenry's bilingual ability could increase dramatically. Moreover, promoting the Chamorro language also rejects the idea that the language is incapable of addressing new situations. Chamorro is not used in technical situations, for instance, because no one has



*Supotte i komision i Lengguahin Chamorro para u mafa'maolek ya u ma'standardisa i fino' Chamorro ya u ma'atbansa i ma'usa-ña.*

*U mana'faset ma'usa i ko'operasion i Northern Marianas para mas ma'atbansa i fino' Chamorro.*

Support the Chamorro Language Commission in its efforts to standardize the Chamorro language and advance its use.

Facilitate cooperation with the Northern Marianas for the continued development of the Chamorro language.



*Prisetba yan rebiba i na'an Chamorro siha na lugat ni muna' a'annok i propio Chamorro na prunonsiasion.*

*Na'masmaolek yan mas guaha leksion Chamorro para todū i pupbliku.*

*Abiba siha i ofisinan gubietno ya u ma'usa i fino' Chamorro yan i fino' Engles gi anunsio siha para i pupbliku maseha matuge' o masangan.*

*Abiba todū i kompanian batkonaire ni sumesetbe Guahan para u taitai o dandan un saludo para i pasaherun-ñiha gi fino' Chamorro.*

Preserve and revive Chamorro place names which reflect their proper Chamorro pronunciation.

Improve the level and availability of Chamorro language courses to the general public.

Encourage Government of Guam agencies and departments to utilize both the Chamorro and English languages in their oral and written public announcements.

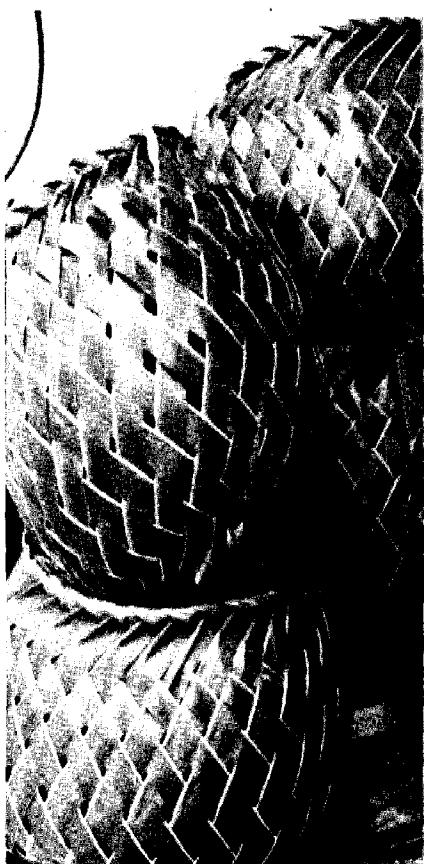
Encourage all airlines serving Guam to read or play a welcome message in Chamorro to their passengers.

encouraged its use. This does not mean that it cannot be done, but rather that it has not been done. The Chamorro language can address new situations and serve a number of purposes if time and effort is invested in the process.

As the island's youth continue to leave, it appears than many of them lack a sense of belonging to Guam. Our island must be a place where our youth and elderly feel at home. Therefore, promoting the Chamorro language must be the cornerstone of efforts to develop and maintain pride in Guam, its people and culture since it is through language that a child learns many values and behavior. Although English will probably remain the primary language of government and business, a place for the Chamorro language must be guaranteed.

*meke i lekña na taya' na ma'usa. I fino' Chamorro siña ha fana' maseha hafa na situasion yan ma'usa gi meggai' na manera yanggen mana'e mas animo yan mas tiempo.*

*I manhahanao siha na manhoben Guahan, kalang taya'sinienten-ñiha na Guahan tano'-ñiha. Este i isla-ta i lugat annai todū i taotao-ta debi di ginen i sinienten-ñiha siña ma'alok este tano'-ñiha. I ma'abibabaña yan i ma'atbansasa-ña i fino' Chamorro simienton i animo ni para u fanbanidoso i Chamorro pot Guahan, i taotao-ña yan i kuttura-ña sa' ginen i lengguahí na ha tutungo' i patgon i kustumbrén-ña yan i hinenggen i kuttura-ña. Maseha siña ha' i fino' Engles sumaga gi i ma'usasa-ña pa'go gi fonksion kometsiante yan i ofisinan gubietno, debi di u magarantia na guaha lugat-ña i fino' Chamorro.*



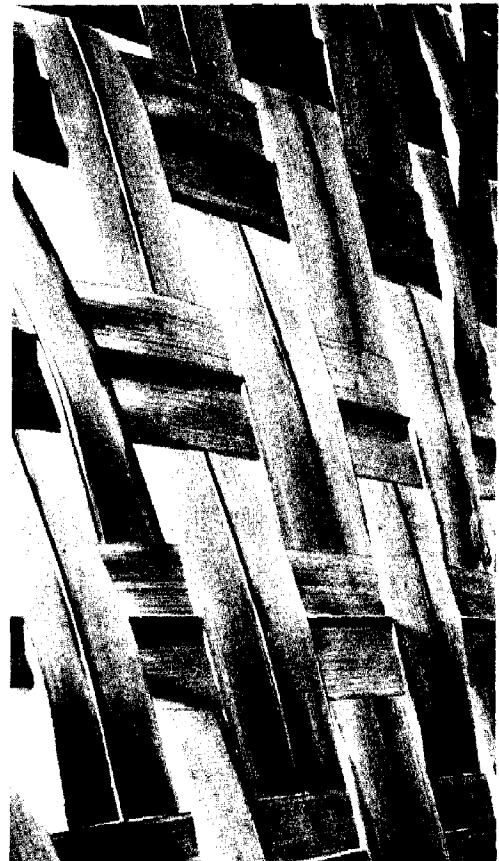


I TAYA' DIRECHON I TAOTAO GUAHAN PARA U DESIDIN MAISA HAFA MALAGO'-ÑIHA NA ESTAO PULITIKA YAN I FINA' POS-ÑIHA GI DURANTE I TIEMPO ANNAI TODU I DISISION YAN ATURIDAT GINEN TAOTAO HI-YONG MUNA' TI BUMALANSIA I KINALAMTEN I MATULAIKAN KUTTURAN GUAHAN.

*I estorian tiempo annai ni hafafa' direchon-ñiha i taotao Guahan gmuaha benifisiu para i kinalamten i isla. Ma'introdusi nuebu na idehan pulitikat, atbansan teknikat yan mana' la'fotmat i ekonomia. Lao, i taotao Guahan un pedasito ha' kinontribuyin-ñiha guatu gi ma'atbansan i isla. I fuetsan san hi-yong ni mumanene'ha i isla mapo'lo i kutturam Chamorro komu estotbo gi ma'atbansan i isla. Este muna' ti naturat yan ti bumalansia i kinalamten i kutturan i isla.*

THE LACK OF POLITICAL SELF-DETERMINATION AND VARIED COLONIAL EXPERIENCES HAS RESULTED IN AN UNBALANCED PROCESS OF CULTURAL CHANGE.

The colonial history of the island has benefitted Guam's development in many ways. It has introduced many new political ideas, scientific advances and economic progress. However, the island's people have had little input into the development of Guam's political and social institutions. Outside forces in control of the island have viewed Guam's culture as a stumbling block to what they have defined as progress. This has resulted in an unnatural and unbalanced development in the island's culture.





*Nesista ta uso i direcho ta. We must exercise our rights*



*Na'annok i tai parehun Guahan gi ma'atban-  
sa i imahen Guahan ginen haña ta a'agang  
isla "Guahan i Tano' Chamorro" lugat di  
sagan i militat Amerikano.*

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*Espia ya u ma'emprementa areklamento o  
lai para siña Guahan ha disidi kuanto na  
imigrante u fan halom.*

Reflect Guam's uniqueness by promoting its image as the Land of the Chamorro rather than as a base for the United States military.

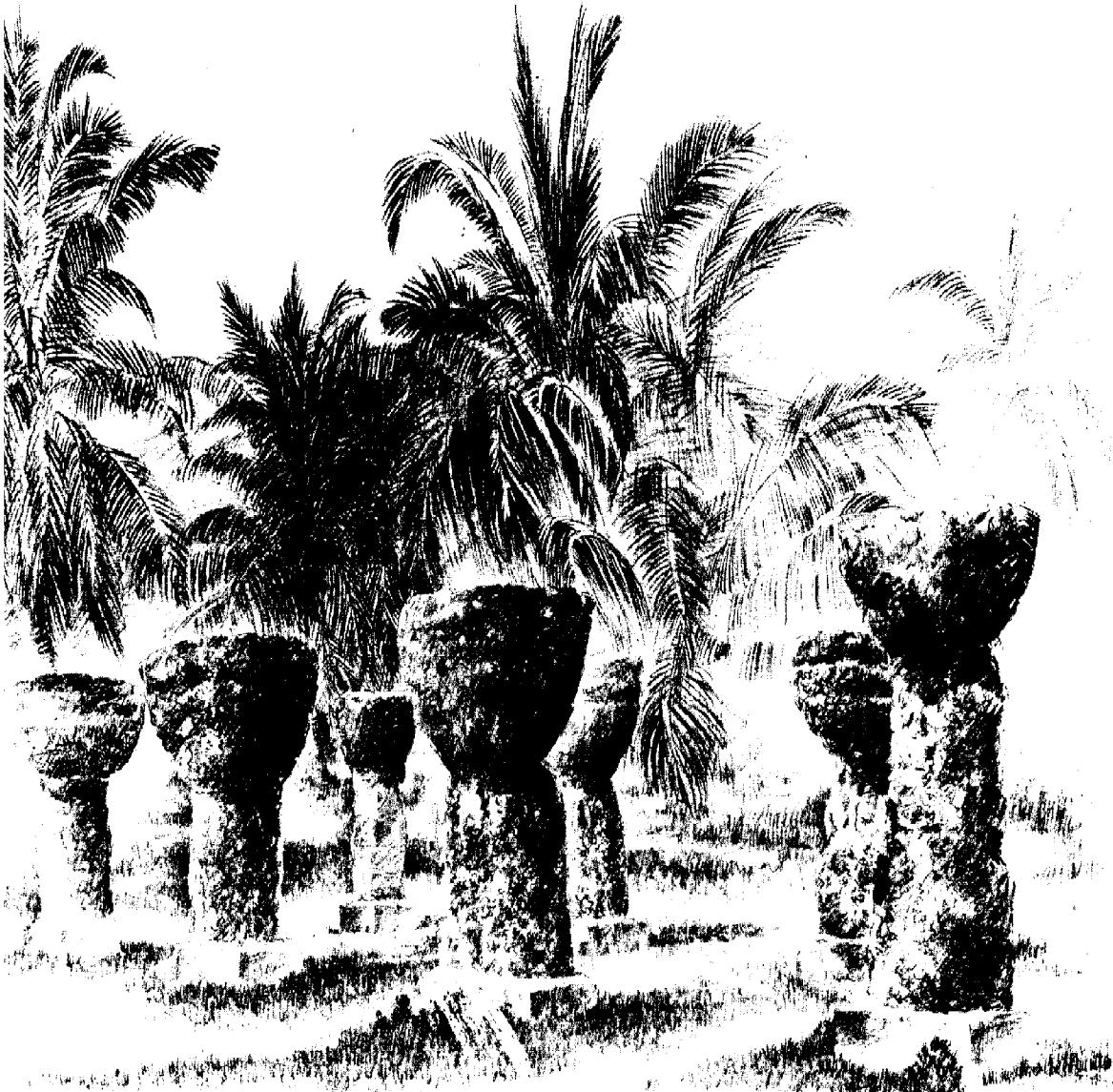
Seek and implement immigration measures which allow Guam to regulate population growth.

A serious consequence has been the development of a negative self-image regarding island values. The comparison of local lifestyles to "stateside" lifestyles in order to measure progress and success often results in negative self-images of Guam and its culture.

In recent years, the island has experienced many pressures other than outside influences which have a great impact on cultural growth. Population increases, the possibility that Chamorros may one day become the island minority, economic development and technological growth will affect Guam's future.

*Un serioso na resutto ginen este ti naturat yan ti balansia na tinilaika, ti maolek i lini'e-ña i taotao nu guiya pat i kustumbren-ña. I ma'akompapara i modelon lina'la'-ñiha yan i Amerikano, para u midi kao esta maolek mo'na cheniha o kao esta siha man gesaga, mannana' problema para i isla yan i kuttura gi haftaimanu ma'atan maisa siha.*

*Este ha' i manmaloffan na sakkán, i isla ha fa'posgue meggai na hinienño' fuera di i san hiyong na influensa ni umefefekta i kinalamten i kuttura. I ma'umentan i populasion, i pusipble na siña i Chamorro u fan minoria gi islan-ñiha yan i atbansan i ekonomia, siempre u mas efekta i fotturan Guahan.*



*I historia yan i sinepblan matiriat ginen i antigua na tiempo dos na guinahan Guahan ni' gumogodde i taotao yan i manmaloffan na lina'la'. Maseha ti magof tungo' ni Chamorro pa'go i relasion i modetno na Guahan yan antes lumala'empottante este na kinemprende entre mas tiempo mo'na. I lugat yan estroktura siha ni mangai fundamento pot historian i manantigu debi di u fanma'atende yan u fanma'arekla sa' gof empottante siha para u fanmakomprende yan u fanma'onra i kinalamten antes, hinanao-hña yan i taotao siha.*

Historic and prehistoric resources are all that physically link Guamanians with their past. Although many Guamanians today may be unaware of the connections of modern Guam with its past, an understanding of this tie is becoming increasingly important. Guam's historic sites and structures should be preserved because of the importance in understanding and honoring past events, eras, movements and persons.

ARCHAEOLOGICAL SITES THAT HAVE DETERIORATED BETWEEN THE 1966-1968 INVENTORY AND THE 1974 INVENTORY  
I MANEMPOTTANTE SIHA NA LUGAT PARA INVESTIGAR HISTORIA NI KULABABA KONDISION-NIHA ENI RE I IMBENTARIUN 1966-1968 YAN I IMBENTARIUN 1974

	Abaeng Bay	Hagåtña	Santay	Fajet	Guma	Tumon Park	Imperial Beach	PGG	Sahib	S. Tololo	Taotao	Palau Beach	Asuncion Bay	Candan	Fuji	Coyrons	Marien	Malib	Pai P.	Kudat	S. Tumon	Togata Bay	Upper Malib	Yona Beach	Asuncion Hill	Chamorro	Geia Valley	Imperial Beach	Macapuc-San	St. Ignacio	Sierra Spur	Tauchu Beach	Tauchu	Patagon	W. Adan	W. Inagmi Park	Yona
HIGH VALUE	● ● ●																																				
VALUABLE		● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●				
RESERVE						▼ ▼		● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●			
NARGINAL			▼					▼													▼ ▼																
DESTROYED	▼	▼	▼	▼	▼	▼						▼ ▼ ▼	▼		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼		

Na'fuetsao na u madalalaki i areklamento ni ginagao i prisente na lai pot adilanto yan marikohin attikulu siha ni' manantigu.

Na'tungo' i gubietnon militat pot i binalin i manggai'historia na lugat gi propiadat i federat yan dimanda na debi di i federat u notifika i gubietnon Guahan yanggen guaha sinedda'-hiha nuebu.

Sustien i lugat yanggen masodda' gi propiadat i federat asta ki siña ma'estudia ya despues u mababa para i pupbliku.

Enforce the historic preservation regulations as provided by current law relating to land development and collection of artifacts.

Notify military commands of the importance of historic sites on federal properties and require notification to the Government of Guam of newly discovered sites.

Reserve sites on federal lands for scientific study until such time as the sites can be made accessible to the public.

#### THERE IS A CONTINUING LOSS OF HISTORIC SITES.

The continued degradation of historic and archeological sites (including prehistoric village locations, remnants of Spanish architectural districts and other artifacts or historic places) further isolates both residents and tourists from the aesthetic, educational and recreational benefits to be derived from past ways of life.

Since the early 1960's the rate of destruction of historic sites has accelerated. A comparison between a current survey and one made in 1966 indicates that, during this period, 53 prehistoric sites have either been destroyed or have deteriorated. Typhoons have caused some of this damage. However, farming, roads, and land clearing have been the principal agents of destruction. The loss has occurred in the interior of the island as well as along coastal areas. Historic sites are threatened on private, Government of Guam and federally-owned lands.

#### SIGI HA' MANMALINGU I LUGAT' YAN FOTMASION I MANANTIGU.

I makontinunu'a i mayulang-ña todū i lugat ni manempottante para estudian historia yan tiempon antigū (ha embrabāsa este siha – i sengsong i manansianu, i seplan i hinat-san i Espanyol gi fina' distritun-ña ha yan otro attikulu pat lugat ni manempottante para historia) mas ha sipapara i residensia yan turista ginen i benifisiu Guahan ni bu-nitu, ni gai'historia, edukasion yan rekreasjon ni siña ta usa ginen i antigū na lina'lā'.

Desde i tutuhon i 1960 lumachaddekk i mayulang-ña i lugat siha ni' manggai'historia. Humuyong ginen un akomparasion entre un estudian pa'go na tiempo yan estudian 1966 na sakkan na mayulang pat luma'baba kondision-ña 53 na lugat ni manempottante gi ma'estudian ansianu. Palu guini na destrosu ginen i pakyu. Lao i magualu'i i lugat pat maloffan chalan yan i mana'gasgas halomtano' este siha mas muna'guaha destrosu. Masusesedi este na malingu gi san halom Guahan kontodu i manggaige gi urian tasi. I manggai'historia na lugat ni manggaige gi propiadat taotao, gubietnon Guahan yan gubietnon federat manggai'pinili-gro na u fanmalingu.



Sagan latte giya Mochom. Latte site at Mochom.

**TI MAGEF RIPARA NI I PUPBLIKU POT  
I PRINISIUS MASUSTIENIN HISTORIA.**

*I taotao Guahan trabia ti magegef ripara i balin i masustienin historia. Achok ha'makomprende na debi di u fanma'sustieni i lugat yan estroktura siha, mas ma'atende i adilanton i ekonomia ki i masustienin historia. Muchumas, i guaha na matiriat ni siha manenfotma i residensian Guahan pot i sirknifikanten i diferentes lugat antigu ti gof libianu masodda' ni taotao.*

**I MAKONTINU MA'ALIGAO-ÑIHA  
YAN I MANMA'IMBENTARIUN-ÑIHA  
NESISARIU PARA U MAPROTEHI I  
ERENSIAN GUAHAN.**

*I ma'imbentariun i lugat ni' manggai'historia, guma' otro klassen hinatsa, distritu siha yan maseha hafa na attikulu, este siha i mayot na produkton i che'cho' Guahan pot i ma'aligao i historia. Todu i manggai'sirknifikasiun na tiempo gi hinanao Guahan mo'na, manna'annok gi imbellariu. Esta meggi na lugat ni manmatungo' mammalista gi Rehistiran Nasionat yan Guahan. Manesista ma'estudiayi mas para u ma'identifika todū i lugat giya Guahan ni' manggai'historia.*

**PUBLIC AWARENESS OF THE VALUE  
OF HISTORIC PRESERVATION IS  
LACKING.**

A basic historic preservation problem in Guam is one of public awareness. Residents generally agree that historic sites and structures should be preserved. However, the economic development of the island has received more attention than historic preservation. In addition, residents simply have not had access to educational materials which explain the significance of various historic areas.

**CONTINUED SURVEY AND  
INVENTORY IS NEEDED TO ENSURE  
PROTECTION OF GUAM'S HERITAGE.**

The inventory of historic sites, buildings, structures, districts and objects is a major product of Guam's continuing historic survey. Every significant period in the history of Guam is reflected in the inventory. Many known sites are listed on the National and Guam Registers of Historic Places. Additional research is required to identify all of Guam's historic sites.

*I pinentan antigu gi Ilyang Gadao, Inalahuan.  
Ancient drawings in Gadao's Cave, Inarajan.*



*Na'maripara yan u matungo' i balin i masustienin i manggai'historia na lugat ginen hafa na programman edukasion para i estudiante yan todū i pupbliku.*

*Kontinua sumupotte i Micronesian Area Research Center komu sagan enfotmasion pot historia yan kuttura para i Marianas yan Micronesia.*

Promote public awareness of the value of historic preservation through educational programs for students and the general public.

Continue to support the Micronesian Area Research Center as a repository for historical and cultural information for the Marianas and Micronesia.

*Kontinu'a umimbentariu i lugat ansianu ya u ma'ebalua i sirknifikasiun-ñiha gi historia yan inestudian ansianu na banda,*

*Na'makonsigi na u ma'estudia i lugat ni manggai'historia ni masmankapas yan menhalom na taotao.*

*Na'manombra ya u mapega i manggai'bali na lugat gi historia gi Rehistiran i Nasionat yan Guahan.*

Maintain a continuous inventory of prehistoric and historic sites and evaluate these in terms of historical and archaeological importance.

Promote further professional archaeological study of historic and prehistoric sites on Guam.

Nominate significant sites to the National and Guam Registers of Historic Places.

**REGISTER OF HISTORIC PLACES**  
**REHISTRAN LUGAT HISTORIA**

Name of Site	Guam Register Date of Entry	National Register Date of Entry	Name of Site	Guam Register Date of Entry	National Register Date of Entry
Lujuna Site, Yigo	Jun 5, 1974	Mar 13, 1974	North Inarajan Site	Nov 12, 1974	Feb 21, 1975
Pagat Site, Yigo	Jun 5, 1974	Dec 4, 1974	St. Joseph's Catholic Church, Inarajan	Nov 12, 1974	
Mochom Site, Mangilao	Jun 5, 1974	Nov 20, 1974	South Talofofo Site	Nov 12, 1974	Feb 24, 1975
Haputo Site, Dededo	Jun 5, 1974	Dec 27, 1974	Agana Spanish Bridge	Dec 3, 1974	Sep 6, 1974
Uruno Beach Site, Dededo	Jun 4, 1974		Taleyfac Spanish Bridge, Agat	Dec 3, 1974	Sep 10, 1974
South Mochom Site, Mangilao	Jul 3, 1974	Dec 27, 1974	Taelayag Spanish Bridge, Agat	Dec 3, 1974	Oct 10, 1974
Nomna Bay Site, Inarajan	Jul 3, 1974		Inarajan Baptist Church	Dec 3, 1974	
Falcona Beach Site, Dededo	Jul 3, 1974		Fort Santa Agueda, Agana	Jan 21, 1975	Aug 30, 1974
Pajon Point Site, Yigo	Jul 3, 1974		Plaza de Espana, Agana	Jan 21, 1975	May 1, 1974
Jinapsan Site, Yigo	Jul 3, 1974	Dec 27, 1974	Memorial Beach Park, Asan	Jan 21, 1975	Aug 7, 1974
Talofofo Site	Jul 3, 1974		Fort Soledad, Umatac	Jan 21, 1975	Oct 18, 1974
Cormoran Monument, Agana	Jul 24, 1974		Asan Invasion Beach	Feb 20, 1975	Nominated 1975
Fort San Jose, Umatac	Jul 24, 1974	May 1, 1974	Mt. Alifan Battle Site	Feb 20, 1975	
Sella Bay Spanish Bridge, Umatac	Jul 24, 1974		Orote Field	Feb 20, 1975	Jun 18, 1975
SMS Cormoran, Apra Harbor	Jul 24, 1974	Apr 4, 1975	Merizo Bell Tower	Feb 20, 1975	May 29, 1975
Inarajan Falls Site	Jul 24, 1974		Merizo Convento	Feb 20, 1975	Sep 17, 1974
Pati Point Site, Yigo	Jul 24, 1974		Asan Ridge Battle Area	Apr 17, 1975	Jul 18, 1975
Hilaan Site, Dededo	Jul 24, 1974	Nominated 1975	Achugao Bay	Apr 17, 1975	Aug 19, 1975
Uruno Site, Dededo	Jul 24, 1974	Dec 27, 1974	Agaga Beach	Apr 17, 1975	Jun 11, 1975
NCS Latte Site, Dededo	Jul 24, 1974	Sep 5, 1975	Mataguac Hill Command Post	Apr 17, 1975	Jun 10, 1975
Talofofo River Valley Site	Jul 24, 1974	Dec 27, 1974	Piti Coastal Defense Guns	Apr 17, 1975	Dec 4, 1975
Abong Beach, Umatac	Aug 14, 1974		Fort Santo Angel	May 8, 1975	Aug 30, 1974
Padre San Vitores Shrine, Tumon	Aug 14, 1974	Oct 31, 1975	San Dionisio Church	May 8, 1975	
Tarague Beach Site, Yigo	Aug 14, 1974		Toguan Bay Site	May 8, 1975	
Ritidian Site, Dededo	Aug 14, 1974		Fonte Plateau	Jun 5, 1975	
Jalaiha Point Site, Inarajan	Aug 14, 1974		Last Japanese High Command Post	Jun 5, 1975	
West Atate Site, Inarajan	Aug 14, 1974	Dec 4, 1974	Magellan Monument	Jun 5, 1975	
Asiga Beach, Inarajan	Aug 14, 1974		Umatac Ridge	Jun 5, 1975	
Ylig River Site, Yona	Aug 14, 1974		North Cetti Bay	Jun 5, 1975	
Inarajan River Site	Aug 14, 1974	Dec 4, 1974	Atantano Shrine	Jun 5, 1975	
Spanish Dikes, Agana	Sep 4, 1974	Nov 19, 1974	Asquiroga Cave	Jun 5, 1975	May 6, 1976
Sumay Cemetery, Naval Station	Sep 4, 1974		Dungca's Beach Guns	Oct 2, 1975	Dec 22, 1976
Gadao's Cave, Inarajan	Sep 4, 1974	Nov 19, 1974	Inarajan Village	Mar 23, 1977	Nov 6, 1977
Sella Bay Spanish Oven, Umatac	Sep 24, 1974		Jose P. Lujan House	May 4, 1977	Oct 6, 1977
Sella Bay, Umatac	Sep 24, 1974	Nov 8, 1974	Anao Site	May 4, 1977	Nominated 1977
Cetti Bay, Umatac	Sep 24, 1974	Nov 21, 1974	South Pulantat Site	Aug 3, 1977	Nominated 1977
Fouha Bay, Umatac	Sep 24, 1974	Nov 21, 1974	Janum Site	Aug 3, 1977	Nominated 1977
Fafai Beach, Tumon	Sep 24, 1974	Nov 19, 1974	Creto Site	Aug 3, 1977	Nominated 1977
Matgue Valley, Asan-Piti	Oct 15, 1974	Apr 3, 1975	Asmaile Point Site	Sep 21, 1977	Nominated 1977
Hill 40, Agat	Oct 15, 1974	Mar 4, 1975	Machadgon Point Site	Sep 21, 1977	Nominated 1977
Agat Invasion Beach	Oct 15, 1974	Mar 4, 1975	Japanese Submarine	Sep 21, 1977	Nominated 1977
Pan American Hotel, Naval Station	Oct 15, 1974	Nominated 1975	Mt. Tenjo Fortifications	Sep 21, 1977	Nominated 1977
Cable Station, Naval Station	Oct 15, 1974	Nominated 1975	Malojloj Site	Oct 5, 1977	Nominated 1977
San Dionisio Catholic Church, Umatac	Nov 12, 1974	Aug 30, 1974	Orote Historical Complex	Oct 5, 1977	Nominated 1977
			Bona Site (Naval Magazine)	Oct 5, 1977	Nominated 1977
			Yokoi's Cave	Oct 5, 1977	Nominated 1977

*I MANMAYOT NA LUGAT HISTORIA  
HA NESISITA NA U FANMA'ADILANTO  
O MA'AREKLA.*

*Meggai na lugat desde Asan para luchan ma-proponi para u mafa park kanton tasi. I patten Humatak guini nai gaige i la'meggai na figurin i manantigu ya este siha propio debi di u fanmafa'molek yan u fanmaprotehi. Manggaige guih i mas mansenmolek na i hemplon i guinahan manansianu siha gi kanton tasi. Komu mafa'tinas mostran historia giya Humatak yan i urian-ña, siña mana'annok i karera-ña mo'ha i lina'l'a' tao-tao Guahan desde i mas manansianu na Chamorro asta pa'go. Siña macho'gue este komu mafa'molek yan mana'asentadu, i lugat siha ni manggai'historia gi kanton tasi. Pot mas rason i distritun Humatak entero siña humuyong guiya mismo un komunitat ni bunitu yan gai'adilanto mientras ha sustitieni i hechuran antes gi hinatsa siha.*

**MAJOR HISTORIC SITES NEED  
DEVELOPMENT OR IMPROVEMENT.**

Much of Southwestern Guam is proposed as a seashore park. The Umatac portion of the proposed area contains many features of historic importance which should be properly developed and conserved. The best remaining examples of the early Spanish period on Guam are found in this area. Prehistoric sites have also been located along the coast. A sequence of historic displays located in the Umatac area could show the development of life in Guam from the pre-contact Chamorro period to the present. This could be accomplished by restoring the prehistoric and historic sites along the coast. In addition, the village of Umatac could become a picturesque contemporary community with historic architectural character.

*Protehi yan u na'labunitu i lugat ni manggai'historia giya Humatak yan i maproponi na planu para i Guam Territorial Seashore Park.*

Protect and enhance the historic sites within Umatac and the proposed Guam Territorial Seashore Park.



*Máémplementa i ginagao i Historic Architectural District para i sengsong Inalahán.*

Implement the provisions of the Inarajan Village Historic Architectural District.

Currently, many people value the traditional architecture of southern villages and desire to retain the villages' present appearance. The Department of Parks and Recreation has developed a plan for Inarajan Village that would allow the village to retain its appearance and homeowners could receive federal assistance in home improvements.

*Pa'go na tiempo, meggai na taotao muná' mibali i antigü na hinatsa gi'sanhaya na distritu siha ya madiseseña na este na distritu u sustieni i hechuran-ñiha. I Dipattmenton i Parks yan Recreation ha fa'tinas un planu para Inalahán na siña ha petmiti i lugat na u sustieni i pusision-ña, ya i manggai'gima' guihí siña marisibi i ayudun i federat para u arekla i gima'-ñiha.*

*Chalan Inalahán. Street Scene, Inarajan.*



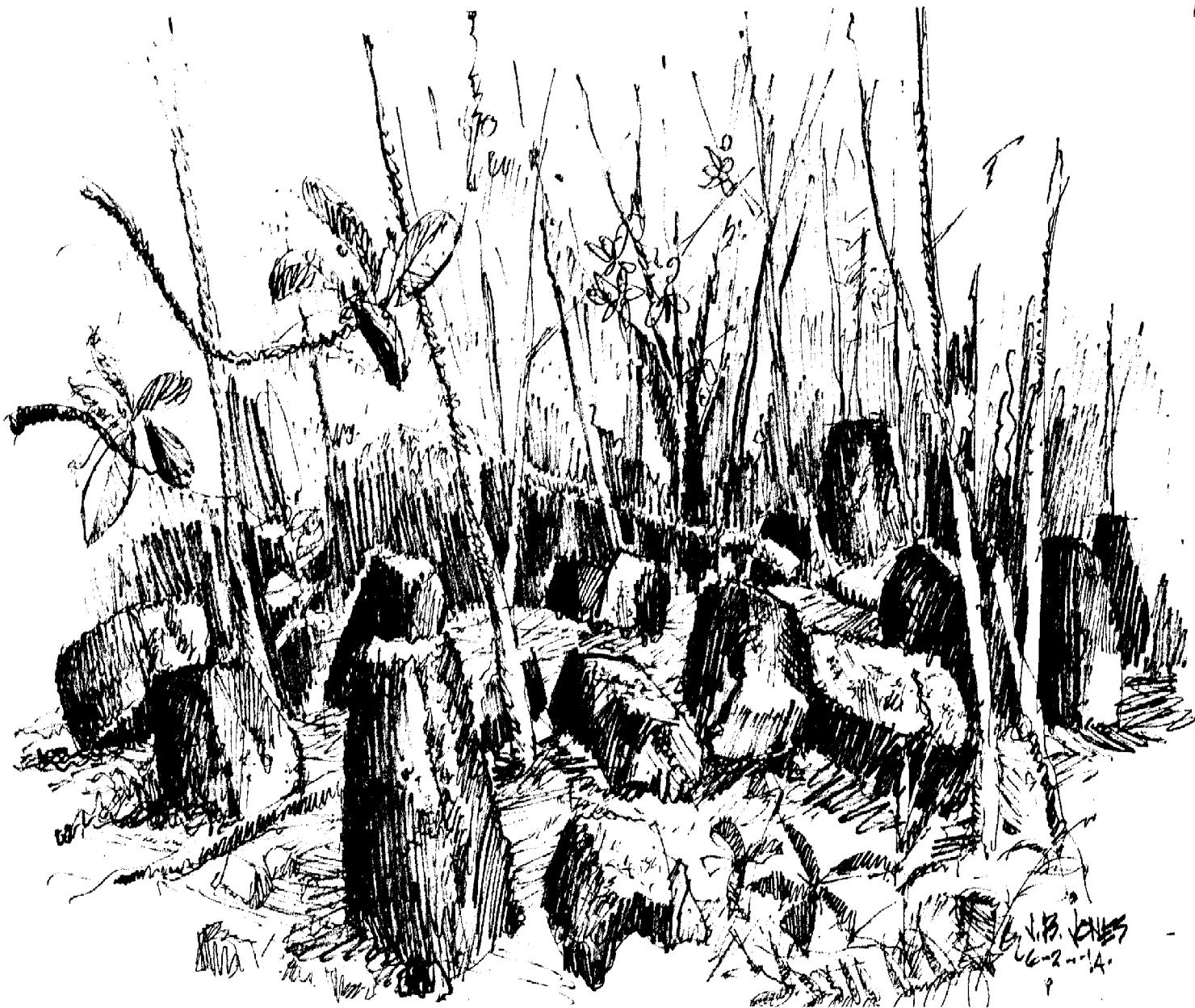
*I Sengsong Pagat gi ansianu na tiempo gaige gi sanlagu na patten Guahan, tres miyas gi hayan komunidat Yigo, hihot gi kanton tasi. I lugat ha sustietieni kinse pat mas na guma' latte. Dos ha' guini siña ma'alok kumplidu. Iunu guaha ocho na acho' latte yan i otro na guma' guaha dosse acho'-ña ni sen dankulo' Guaha lokkue' sinkuenta na binekka' annai guaha attikulun ansianu ni manmanota esta. Kada unu guini ha representa grupun familia ni manmama'titinas nenkanno' pat hafa na cho'cho' annai mau'usa i guafi gi sengsong. Unus kuantos na guinaddok muna'mannasodda' attikulun ansianu ni maninteresante. Siña mahatsa un sengsong i manansianu na Chamorro guini sigun un planu annai kombeniente para i taotao na u mapokati i lugat ya u farnae'ga' i finatta siha ni' muna'annok i lina'la' i Chamorro siha kada dia gi sengsong ansianu.*

The Pagat Village Site is located on the northern part of the island, about three miles south of the community of Yigo, along the northeast coast. The site contains the remains of at least 15 latte stone houses. Only two of these are relatively complete. One is an eight-stone structure, the other, a large 12-stone house. In addition, at least 50 mounds of accumulated artifacts are recorded, each representing an area in which a household or group of households formerly did their cooking and other fire-related activities in the village. Limited excavations have uncovered many interesting artifacts. A Chamorro village could be constructed at the site in such a way that visitors could walk through the area and view displays portraying aspects of daily life in a Chamorro village.

*Makonsigi mafa'maolek iya Pagat na sengsong ya u mafa'plasan ansianu.*

Develop the Pagat site into a prehistoric park.

*Acho' latte giya Mochom, Mochom Latte Site.*





Plaza de España

Plaza de España, in the heart of Agana, is the site of the original Governor's Palace, associated buildings and gardens, along with the open plaza immediately in front. The Casa de Gobierno was constructed in 1736 by the Spanish colonial administration. In addition, the almacen (arsenal) and garden house were constructed at this time. In 1885, the Governor's Palace was replaced by a larger palace, but the almacen and garden house were retained. The garden house survived the bombardment in 1944. After the war, the kiosko or bandstand and the Chocolate House were rebuilt.

I Plaza de España gi talolo' giya Hagatña i sagan i propio yan i hagas na palasyon i Maga'lahi, yan otro siha na hinatsan gubietno yan hatdin gi uriyán i palasyo, kontodu i mababa na plasa gi me'na-ña. I Casa de Gubietno mahatsa gi 1736 ni' administrasióñ i Espanóñ. I atmasesan yan i gima'hatdin mannahatsa lokkue' guini na tiempo. Gi 1885 na sakkan, mahatsa di nuebu i Palasyon Gubietno yan mana'lá'moddong, lao ti mapacha i atmasesan yan guma'hatdin. I gima'hatdin ti mayulang annai mabomba Guahan gi 1944. Despues di i gera, mahatsa di nuebu i kiosko yan i Chocolate House.

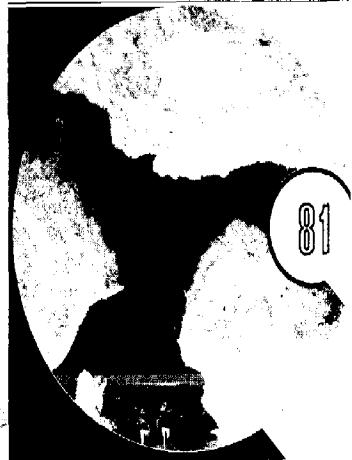
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Fa'maolek i Plasa de España taimanu ha' i hechura-ña antes.

Restore and maintain the Plaza de Espana Historic Park.

The garden house currently houses the Guam Museum and is considered the oldest Spanish building on Guam in use today. An immediate preservation program should be implemented to retain the Plaza's beauty and historical significance, especially in relation to the capital city's development and present image.

I gima'hatdin pa'go nai gaige i Museum Guahan ya mapo'lo ayu komu i mas amko' na hinatsan i Espanóñ ni esta pa'go ha' ma'u'usa. Debi di u ma'implementa ensigidas un pragramman prisetbasión para u masustiene i bunitu-ña yan i siknifikacion-ña i Plasa komu un empottante na lugat gi historia, espesiatmente gi relasion-ña gi adilan-ton Hagatña yan i estao-ña pa'go.



*Un empottante na patte gi lina'la' Guahan pa'go i interes yan sinupotte ni manana'e i nesisidat i isla gi programman dibetsion. Lao ti marialisa trabia i pusipibilidat i dibetsion gi manmababa na lugat. I militat mu-mantietieni maolek siha na fasilitat dibetsion para i taotao-ñiha, lao ti para i uson i residensian i isla pat turista. I tufungon siha na fasilitat i gubietnon Guahan yan taotao san hiyong pinat ayu ha' i kanton tasi. I tasi, i milalak hanom gi ladera yan ayu siha i manbunitu manma'ega' na lugat, manmalife' yan manmafatoigue nu ayu ha' i manbra-bu yan manbumuchachu manpaseo.*

An important part of Guam's lifestyle today is the interest and support given to the island's recreational programs. However, the full outdoor recreation potential has yet to be realized. The military services maintain developed facilities for their personnel which are not available to most island residents or to tourists. The limited facilities of the Government of Guam and private groups are primarily devoted to beaches, sports and games. Many beaches, dramatic waterfalls and the most beautiful scenic areas are seen and used only by the most adventuresome.

## GUAM FACES AN OVERALL LACK OF DEVELOPED RECREATIONAL AREAS AND FACILITIES.

*Na'guaha fasilitat ni nahong yan diferentes pragramman dibetsion yan fasilitat ni u setbe i espesiat na nesisidat yan interes de kada grupun taotao yan grupun edat gi populasion Guahan.*

*Sustieni yan fa'molek i sagan dibetsion gi san hiyong ginen i mana'ayudan i Gubietnon Guahan, i federat yan i taotao san hiyong.*

*Kontinu'a fumuetseyi i ginagao pot i mieddong i sagan dibetsion gi kompania ni manhahatsa guma' gi tano' ni pa'go ha'mabibidi.*

*Na'siguru na ti u fan maprohibi i pupbliku para u usa siha i lugat dibetsion ya abiba i kontrata yan i manggai'propiadat, kontodu i gubietnon federat, ya u fannaloffan i taotao gi lugat-ñiha para u fatoigue i sagan dibetsion.*

Provide an adequate quantity and variety of recreational programs and facilities to serve the special needs and interests of each segment and age group of Guam's population.

Preserve and develop outdoor recreation areas through coordinated involvement by the Government of Guam, the Federal government, and the private sector.

Continue to enforce recreational space requirements within residential subdivision developments.

Ensure the public's right of unrestricted access to all territorial recreation areas and encourage agreements with private and federal property owners for the provision of reasonable access to recreation areas.

## HA FAFANA' GUAHAN NI KONDISION I TAYA' KUMPLIDU NA LUGAT YAN FASILIDAT PARA DIBETSION.

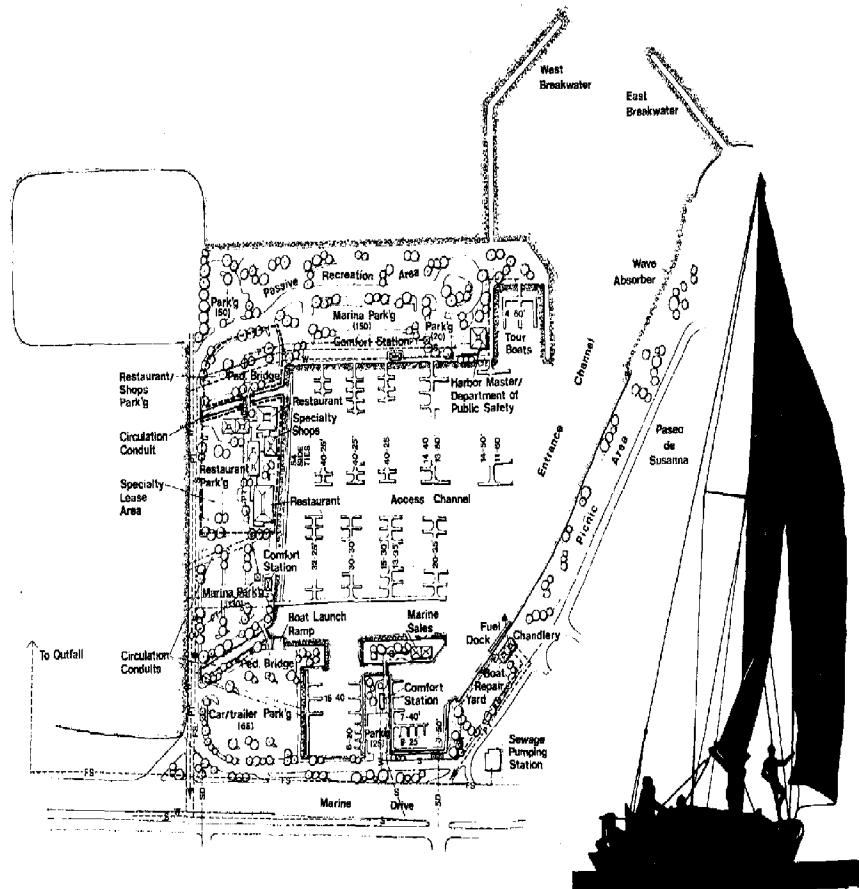
The anticipated growth of Guam's population will create increasing demands for added parks and recreation services. Many of the island's existing and potential outdoor recreation sites can readily be improved without damaging the scenic and natural values of the areas. These values can be enhanced by the proper development of the areas through continued maintenance, landscaping, and control of pollution, vehicles, and public access.

With an increasing trend towards subdivision development, provision of space for neighborhood recreational facilities is needed.

*I mineggi taotao gi manmamamaila' na tiempo siempre u dimanda mas plasa yan setbisu para dibetsion. Meggi na lugat ni gaige pa'go yan ayu i manmaha susuyi na u mana'fanguaha, siña ha' manmafa'maolek sin u dinestrosa i bunitun-ña i lugat pat i naturat-ña sigun gi pine'lion Yu'os. Este siha na balu'an-ñiha siña manmana' fanla'bunitu pat yanggen mana'gagasgas fió, matanunu-mi pat hafa otro mas siña mana'yí yan masuheta i inapachá', yan yanggen mamane'ha i sahyan yan taotao na u faloloffan guihí.*

*Pot i sigi ha' manmadibidi i tano' para u mana'fanñetbe debi di u mana'e atension i nesisidat pot fasilitat dibetsion.*

*Planu para i ma'dilanton sagan boti Hagatña. Proposed Agana Marina Development Plan.*



**PRUGRAMMAN HUEGU NI MANMAÓT-GANISA SIEMPRE HA NESISITA' MAS FASILIDAT.**

*Para meggi na taotao guini giya Guahan, mampos empottante na patte gi modon i lina'la' i para u saonao gi manma'otganisa na huegu. Maseha guaha na programman dibetsion manma'otganisa ni taotao san hi-yong, i mayoria mana'guaha ginen i supot-sasion i gubietno.*

*I Dipattamenton i Parks yan Rekreasion ha na'guagua yan ha arerekla todū kinalamten gi dibetsion. Ha matlinanayi programma siha gi softball, basketball, bowling, volleyball, horseshoes, swimming, yan lek-sion gi muna'safu' lina'la' yan tennis. Mien-tras ma'umementa i dinimanda para opot-tunidat dibetsion, siempre ma'umenta lok-kue' i responsabilidad i gubietno. I nesisidat siempre u mas guatu gi i nahong yan maolek na fasilitat siha. I fasilitat ni gaige*

**GUAM'S ORGANIZED SPORTS PROGRAM WILL REQUIRE ADDITIONAL FACILITIES.**

For many people on Guam, participation in organized sports is an extremely important part of the island's lifestyle. While some recreation programs are privately sponsored, the government is the major provider of organized recreational opportunities.

The Recreation Division within the Department of Parks and Recreation coordinates and promotes recreational activities. It sponsors programs for softball, basketball, bowling, volleyball, horseshoes, swimming, lifesaving, and tennis. As the demand for recreational opportunities increases, the government's organizational and coordinating responsibilities will also increase. Additional emphasis is being placed on the provision of adequate recreational facilities. While certain centralized facilities can ac-

ORGANIZED SPORTS FACILITY NEEDS  
FASILIDAT NI KANESITA PARA AYU /  
STANIA OTGANISA SIHA NA HUEGU

	1980	1985	1990
Baseball fields	54	64	76
Softball fields	54	64	76
Football/soccer fields	12	14	17
Playgrounds	80	72	82
Basketball/volleyball courts	240	265	288
Hindball courts	60	72	56
Golf courses (18 holes)	5	7	9
Swimming pools	5	6	7
Picnic areas (No. units)	251	302	358
Skating rinks	4	5	6

Source: Guam Comprehensive Outdoor Recreation Plan

*Na'guaha mas salape' para i Dipattamenton i Parks yan Rekreasion gi masupotten i programman dibetsion.*

*Na'guaha nahong na fasilitat para i manma'otganisa na programman huegu.*

*Chonnek ya u fañaonao todū i edat siha gi manma'otganisa na huegu.*



*gi lugat annai mas meggai i taotao para u sustieni i mayot na nesisidat gi huegu yan otro fotmasion dibetsion manesista ha' lokkue' fasilitat para u setbe i nesisidat i taotao siha gi sengsong siha.*

*Pattisipasion gi manma'otganisa na huegu siha tat komu i dankulo na huegun softball siña ha' u embrasa parehu ha' i manhoben yan i manamko'. Estague' unu gi mas asentadu yan apasiyon gi salut yan sosiadat na patte gi lina'la' i taotao Guahan.*

commodate major sports and recreational events, there is a need to more fully design and develop facilities to serve the island's village communities.

Participation in organized sports, such as community softball leagues, can and should involve both youth and adults. This is one of the most healthy and socially rewarding aspects of life on Guam.

Provide additional funding to the Department of Parks and Recreation in support of the island's recreation programs.

Provide adequate facilities for organized sports programs.

Promote participation in organized sports by all age groups.

**TAYA' MAYOT NA LUGAT PARA DIBETSION.**

*I mana' guaha park gi kanton tasi desde Asan para luchan siempre gmuaha mibali na opottunidat para i taotao i isla. I Territorial Seashore Park siempre munáguaha mas fasilitat dibetsion ya ha protehi i uniko, mibali yan dilikao na guinahan historia yan naturat. I park siña ha na' fanggai-minaolek i taotao gi ekonomia para apmam na tiempo sa' siempre kinembibida i turista siha magi.*

**GUAM HAS NO MAJOR PARK AREAS.**

The development of a seashore park in Southwestern Guam would provide the area's residents valuable opportunities. The Territorial Seashore Park would provide additional recreational facilities and would protect significant historic features and unique, valuable, and fragile natural resources. The park could provide long-term economic benefits to the residents as the area's park development attracts tourists.

*Establisa i Guam Territorial Seashore Park.*

Establish the Guam Territorial Seashore Park.

*Tarzan Falls.*



*Guaha otro klassen park para mahatsa ni gubietnon i federat. Gi 21 de Hulio, 1944 na sakkan gi alas sais gi eggaa'an matutuhuni ma'ataka Guahan ni fuetsan i Amerikanu. Guaha 55,000 na sindalon i Marines yan Army humatne Guahan. I batko yan bat-konairen Amerikanu ha bomba todou ayu i pine'lon i Hapones para gumeria gi kanton tasi. I sindalo siha ginan i Third Marine Division humatne Guahan ginan i tasi giya Asan tres minutos ha' antes de i First Provisional Marine Brigade manhalom giya Hagat. Annai marikonosi pa'go ayu na lugat annai mangeria i Amerikanu yan i Hapones, masodda' na meggai ha' guihia na lugat ti manmadestrosa pat manmaestotba. I National Park Service ha pripara un planu ni mafana'an War in the Pacific National Historic Park ni para u guaha opottunidat para u mana'lala'lha' i estorian i Sigundu na Geran i Tano' gi i Pasifiku. I park para u na'e hit takhilo' na hemplon i klassen gera guini gi Pasifiku.*

Another park proposal is being developed at the federal level. On July 21, 1944 at 6 o'clock a.m., the attack on Guam by American forces began. The total number of Marine and Army ground forces involved was approximately 55,000. American ships and planes blasted the Japanese shore installations. Troops of the 3rd Marine Division hit the beach at Asan three minutes before the men of the 1st Provisional Marine Brigade waded ashore at Agat. Present exploration of these areas of the island used for the invasion reveals that there remain available sections of battlefield terrain which have not been destroyed or developed for other uses. The National Park Service has prepared a proposal for a War in the Pacific National Historic Park which will provide an opportunity to depict the epic story of World War II in the Pacific. The park will emphasize the Battle of Guam as a classic example of the island by island fighting in the Pacific.

*Supotte i che'cho' Guahan yan i federat para u ma'establis i War in the Pacific National Historic Park.*

*Sustieni i manempottante na figura-na Guahan gi hografia yan historia puedi u nahong maolek na kondision ni magahet para u na'annok i estorian i gera para Guahan.*

*Rikohi yan na'fandaña' i attikulu siha ginan i okupasion Hapones yan i hinalom i Amerikanu despues di i Hapones para u mafatanin-ñaihon.*

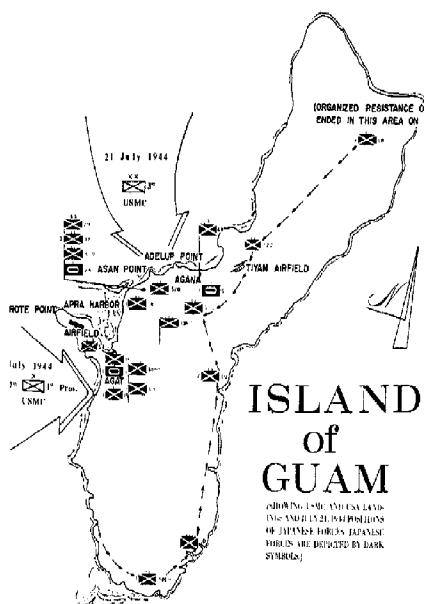
*Fan afacho'cho' yan i mantlige' historian Hapones ya u matuge' historia yan intetpasion pot i hinalom i Hapones guini gi dos na lengguahi yan dos na kuttura.*

Support local and federal efforts to establish a War in the Pacific National Historic Park.

Preserve important geographical and historical features in order to provide a setting with enough historical integrity to portray the Battle for Guam.

Assemble local artifacts of the Japanese Occupation and American Invasion for display.

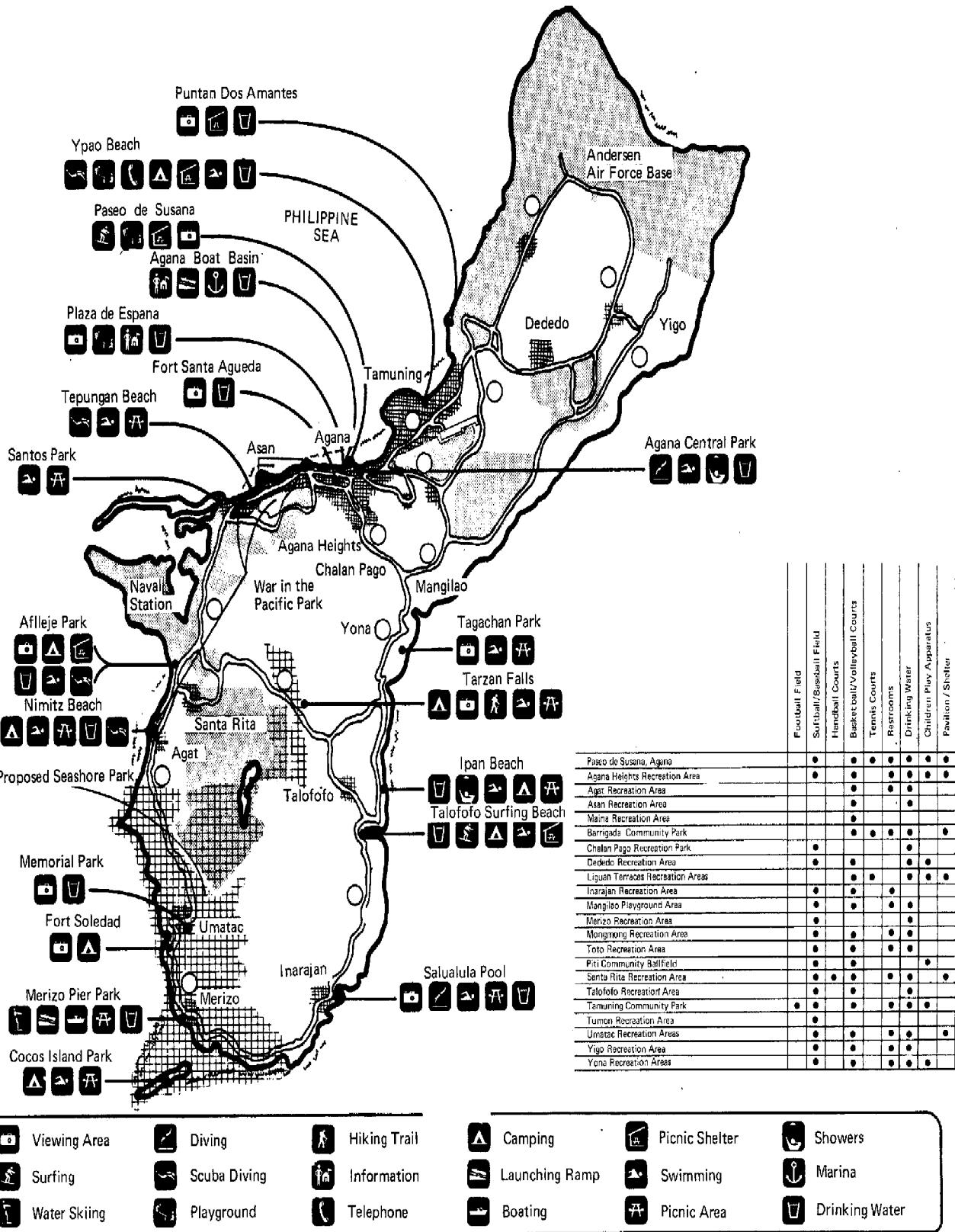
Cooperate with Japanese historians in developing a bilingual and bicultural interpretation of the invasion.

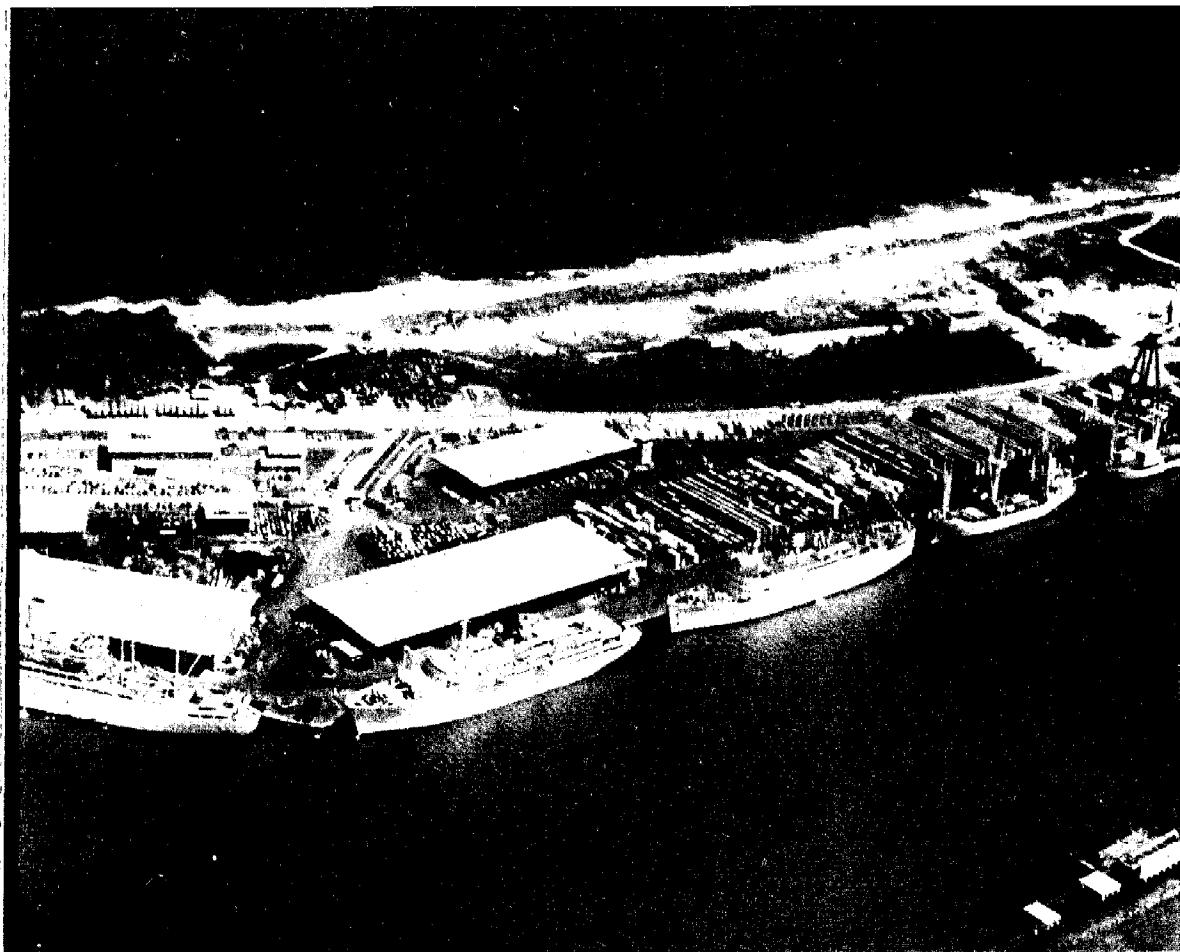


*Litrotu siha annai manhalom i Amerikanu gya Guahan 1944. Scenes from the Landing of U.S. Forces on Guam, 1944.*



PARK AND RECREATION AREAS  
I LUGAT DIBETSION SIHA GIYA GUAHAN





*Desde akogue asta agapa': I Cathay, Coral Princess, Oriental Queen, Weser Dispatcher yan Weser Broker na batko siha glya Apia, Eneru, 1973*  
L to R: The Cathay, Coral Princess, Oriental Queen, Weser Dispatcher and Weser Broker in the Commercial Port, January, 1973

*Gi maloffan na dies años na tiempo, annok na chaddek adilanton-ha i ekonomian Guahan. Solu tuma'lo i atboroton ekonomia gi enteriru i tano' yan mientras makontinu-nu'a i opbligao na areklamenton federat ni umefefekta i katgan batko, emigrasion, yan i bumiahien batkonaire, siña ta angongokko na u sigi ha' i adilanton i ekonomia. Pot i limiten i chansan i ekonomian i isla, meggi mas na ayudu ta nesista ginen i gubietnon i Estados Unidos yanggen para ta fanla'-chok gi ekonomia.*

*I etmas prisente na rinibaha gi fuetsan i peso nina' a'annok gi taotao i isla na arek-lon ginen hiyong prensipatamente umefefekta i ekonomian Guahan. Ha prisenta este na kapitulu rekomendasion para u ma'adilanta ayu siha na patte gi ekonomia annai siña mas manbenifisiu i publiku yanggen pumattisipao i gubietno.*

The economy of Guam has shown rapid development over the past ten years. Continued growth can be expected, barring recurrence of a worldwide recession and continuation of certain constraining federal policies such as those effecting shipping, immigration and air travel. Because the island's economic potential is limited, substantial assistance from the United States government will continue to be needed if Guam is to grow economically.

The recent recession showed island residents that our economic well-being is affected by forces, for the most part, over which we have little control. This chapter presents recommendations for developing those aspects of the economy in which public involvement can be most beneficial.

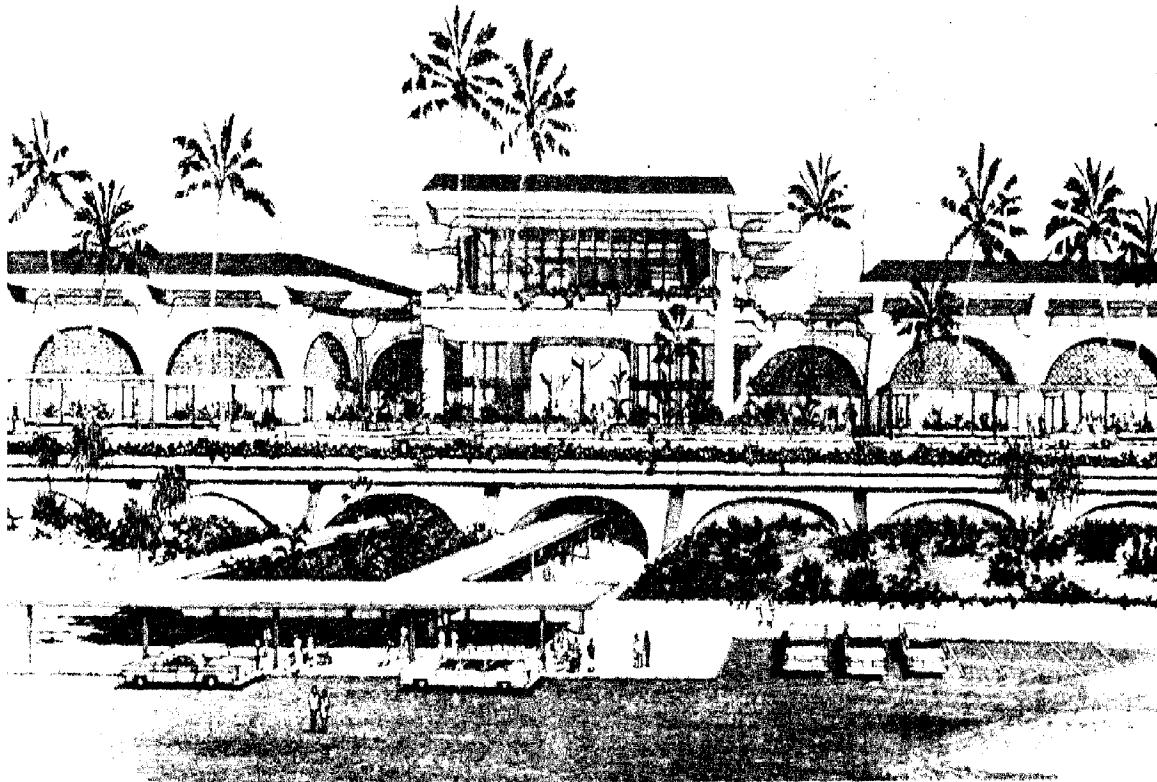
- |     |                       |
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*I mapropoponi para hotel.* A proposal for a hotel.

## NOTES:



I mapropoponi para plasan batkonaire. Proposed Guam International Air Terminal.



*Ginen i kinahulo' yan adilanton i ekonomi-an Hapon, dumaña' yan i rinibahan i rinek-ton i areklamenton bumiahí para Guahan, fumañagu i turismu komu i sigundu mas dankulo na industria Guahan. I ginastan i militat ha' umi'ikak i turismu gi suetdon i isla.*

The rapid development of Japan's economy, coupled with a lessening of travel restraints to Guam, resulted in tourism's development into Guam's second largest industry. Only expenditures by the military exceed tourism as a source of income to the island.

## GUAM'S TOURISM MARKET CAN BROADEN.

*Atbansa mas aktibidat para u kombida i manhoben na Hapones yan i mangefsagan i otro na lugat giya Asia.*

*Chachalani annai siña hit mandaña' yan i sanhilo' na Marianas yan otro siha na isla giya Micronesia para ta kombida i turista siha.*

*Matlinayi Guahan komu sentron bumiahí guini giya Micronesia.*

Increase promotional activities aimed at young people within the Japanese market and at the affluent sectors of other Asian countries.

Initiate joint tourism promotional programs with the Northern Marianas and other interested island groups in Micronesia.

Promote Guam as the center of Micronesia and as a base for trips to other areas in Micronesia.

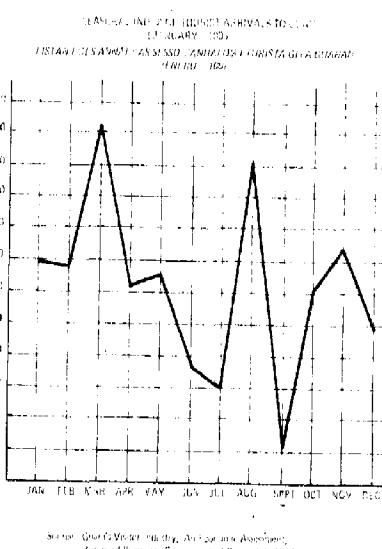
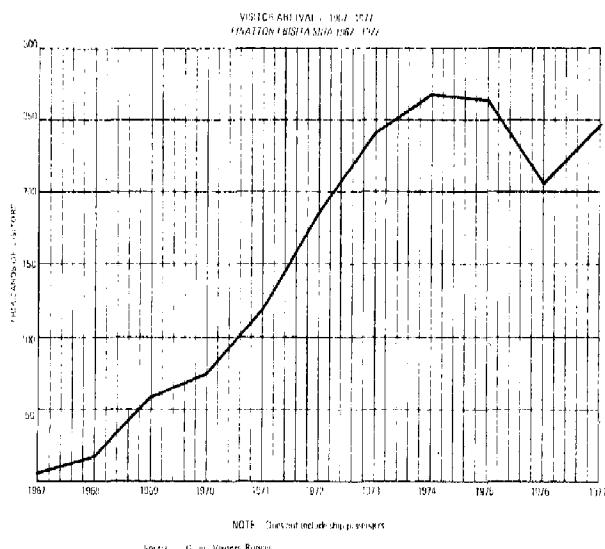
## SIÑA HA' MA'UMENTA I KANTIDAN TURISTA.

*I manhoben na Hapones i etmas mansesso na bisitan Guahan lao dinitetmimina este sigun gi tiempon bakasion pat tiempon umasagua giya Hapon. Mas ta'ló debi di ta aligao otro siha na lugat para turista ya ayu ha' i manasigrao u fan mapetsigi.*

*Debi di ta fandáña' yan i otro isla-siha guini gi patten Pasifiku para ta atbansa i kinalamten turismo. I ma'adilanton Saipan yan otro patten Micronesia komu mayot na sagán bumiahí, siempre u binense mas magi i Hapones ki guatu Hawaii pat Asia. Debí di Guahan u mafá'sentron bumiahé giya Micronesia annai siña i turista u mabisita i otro isla siha.*



*Turista siha ni mannananga para u fan makonne' gi plasan batkonaire.*  
Tourists waiting for buses at the Airport.





*I mapropoponi para sentron kuttura giya Guahan yan Micronesia.* Sketches from a proposal for a Guam-Micronesia Cultural Center.

KADADA' SUMAGAN-ÑIÑIHA I HAPONES YAN HASSAN NA MANA'LO MAGI TA'LO.

*Kuatro dias pot mas mañagan-ñiñiha i Hapones guini giya Guahan ya hassen na mana'lo magi. Yanggen mana'guaha mas sagan rekreasjon yan otro siha ni para u fanbinense i turista, siña luma'meggai pat manla' apmam sagan-ñiñiha yan siña la'meggai bumira siha magi ta'lo. Para mas ta ná'fanñaga i turista, mapropoponi na u mana'guaha mas dibetion, un fasilitat ni muna'a'annok i diferentes kultururan Micronesia, sagan mangga' guihan yan fasilitat bumoti.*

#### JAPANESE TOURIST STAYS ON GUAM ARE SHORT AND RETURN VISITS ARE FEW.

Japanese tourists spend approximately 4 days on Guam with few return visits. By developing more tourist attractions and recreational facilities, Guam can increase visitor stay periods and generate more return visits. Suggested attractions include a sound and light show, a Micronesian cultural center, an aquarium, and marina-related activities.

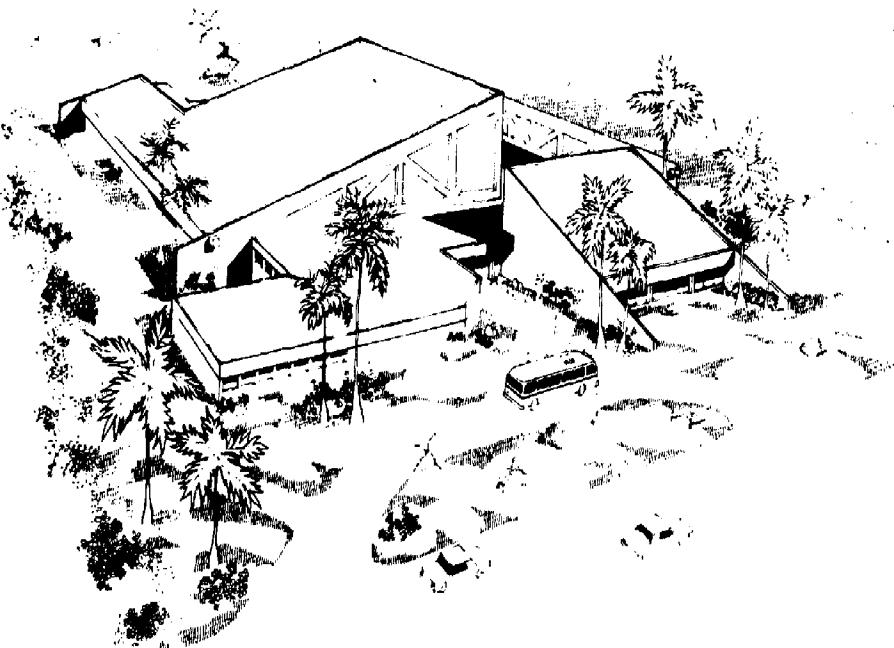
*Sohyo' i san hiyong na banda para u mana'guaha fasilitat para u fanbinense i turista yan u fansinetbe i taotao tano'.*

*Usa i Tourist Attraction Fund para mahatasa mas fasilitat rekreasjon ni para u setbe parehu i turista yan i taotao tano'.*

Facilitate private sector development of facilities which attract tourists and serve residents.

Utilize Tourist Attraction Funds to develop recreational facilities for joint use of residents and tourists.

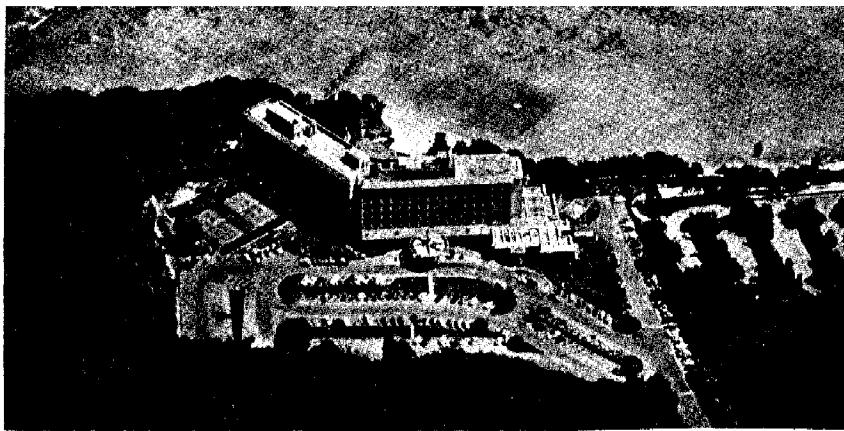
*I mapropoponi para Aquarium Guahan.* A proposal for a Guam Aquarium.



ATTRACTONS JAPANESE TOURISTS WOULD PREFER TO SEE DEVELOPED ON GUAM  
AYU I ADILANTON NI YAN NIÑA I HAPONES NA TURISTA MALIE' GIYA GUAHAN

Attractions	Absolute Frequency	Percentage
1. Aquarium	60	16.7%
2. Hiking Trail	39	13.0%
3. Deep Sea Fishing	36	12.0%
4. Botanical Garden	33	11.0%
5. Underwater Trail for Snorkling	27	9.0%
6. Cultural Museum	18	6.0%
7. World War II Historical Site	16	5.4%
8. Spectator Sports Complex for Baseball, football	14	4.7%
9. Horseback Riding Trail	13	4.3%
10. Water Skiing	13	4.3%
11. Zoological Park	13	4.3%
12. Bird Sanctuary	12	4.0%
13. Motorcycle Trail	10	3.3%
14. Fresh Water Lake	5	1.7%
TOTAL	299	99.7%

Source: Guam's Visitor Industry: An Economic Assessment, Bureau of Planning, Government of Guam, July 1977, p.37



Mall'e'-ña i Guam Hilton na hotet ginen i aire.  
Aerial view of Guam Hilton Hotel.

Pripara yan emplementa i Planun Adilanto para Bakanan Tomhom annai enklusu i adilanton i muna'gasgas yan mana'bunitu i lugat, i adilanton i fasilitat pupbliku yan ma-probeniyin modelon transpottasion para meggi na taotao.

Na'maolek i Chalan San Vitores yan fa'tinas-i chalan taotao yan bisikleta ni mana'totche yan todut i hotet gi Bakanan Tomhom.

Prepare and implement a Tumon Bay Development Plan including area-wide landscaping and infrastructure development and provisions for mass transportation.

Upgrade San Vitores Road and construct a walkway/bikeway connecting the Tumon Bay hotels.

#### A DEVELOPMENT PLAN FOR TUMON BAY IS NEEDED.

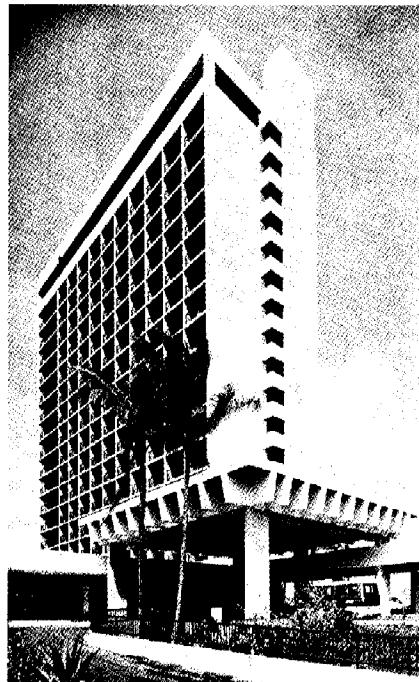
Tumon Bay has an excellent potential to further develop into an attractive resort area. Careful planning can lead to the best use of the limited land and reduce costs of basic infrastructure. Tumon Bay has been recently designated as a "resort" zone. This allows for a greater variety of tourist-related commercial activities which will reduce the isolation now felt by many tourists who find access difficult to commercial locations outside the bay. A plan for Tumon Bay will guide development of these activities.

Guam's prime tourist area must be tied together as a unit, appropriately landscaped and well lighted.

#### PRISISU PLANUN ADILANTO PARA I BAKANAN TOMHOM.

Ekselente i kapasidat-ña i Bakanan Tomhom para sagan turista yan sagan dibetsion. Komu maplanuyi maolek, siña ma'usa i midiyon i lugat yan hafa taimanu nai siña maribaha i gaston i fasilitat pupbliku. Este ha' i ti apmam na tiempo na madisikna Tomhom komu "sagan turista yan sagan dibetsion." Ginen este na disiknasion siña sinedi mas meggi otro siha na che'cho' kometsiante para i turista ni u inayuda rinibaha i mansahnge sinenten-ñiñiha i turista pot i manchago' i sagan kometsiante gi hiyong Tomhom mismo. I planu ni mana'huyong para i Bakanan Tomhom u chinachalani este siha na aktibidat.

Debi di u mana'fana'totche i manprensipat na sagan turista, mana'gasgas yan mana'bunitu i uriya-ña yan makandete ma'lak.



Guam Reef na hotet.  
Guam Reef Hotel.  
Sanhalom i Daichi Hotel Annex.  
Interior of Daichi Hotel Annex.



**TI NAHONG RINIPARAN I PUPBLIKU  
POT I BENIFISIU GINEN TURISMU.**

*Gi sakkan, guaha \$100 miyon magagasta ni turista guini, ni muna' pusisipble 3,500 na cho'cho' siha gi ekonomian Guahan yan kasi \$8-10 miyon na kontribusion marikokohi. Didide' ha' guini na kontribusion tuma'tlo tatte gi industrian turista. Lastima sa' gof meggai na residensia ti marikoknini-sa i dankulon benifisiu ginen i turismu.*

*I mas chumichiget i ma'umentan i manma' emplea na taotao tano' gi industrian turismu ayu i pot ti matungo' i fino' Hapones yan i kompetensian i man ginen hiyong na danderu pat kantot. Meggai na tinifok ni mabebende gi turista ti manmafa'tinas giya Guahan. Meggai na turista mandisganao ni taya' fruta yan gollai ni ma'anggongokko para u guaha guini. I Metkao Fangualu'an ha chachagi kumekubre este na nesisidat i mana'guaha fresko na fruta yan gollai.*

**THERE IS A LACK OF PUBLIC  
AWARENESS OF THE BENEFITS OF  
TOURISM.**

Tourists spend over \$100 million a year, creating an estimated 3,500 jobs in Guam's economy and generating an estimated \$8 - 10 million in tax revenues. Only a fraction of this tax money is reinvested in the tourist industry. Unfortunately, many residents do not recognize the full benefits of tourism.

The principal constraints to increased employment of local workers in the visitor industry are the lack of Japanese language skills and competition of alien entertainers. Few Guamanians are employed in the entertainment field. Most handicrafts purchased by tourists are not made on Guam. Many tourists have expressed dissatisfaction with the lack of tropical fruits and vegetables which they expected to find on Guam. The Farmer's Market is an attempt to address some of these problems.

*Kontinua umenfotma i taotao tano' ni opatunidat ni manpusipble ginen i turista.*

*Na'guaha mas opottunidat para u matungo' i fino' Hapones gi eskuela pat hafa otro na prugramma.*

*Sigi sumu'on i taotao-ta ni mandadandan yan manngakanta na u fanma'usa siha gi bisnes dibetsion.*

*Na'guaha mas empeñu para i taotao tano' na u fanmamfok yan u fanmama'tinas kosas rikueto ginen Guahan.*

Continue to inform residents of the opportunities provided by tourism.

Provide increased opportunities for Japanese language instruction in schools and training programs.

Encourage greater use of local artists in entertainment enterprises.

Provide incentives for the production of local handicrafts.

*I gaston Turista glya Guahan ha na'kahulo' i kontribusion entre 8 asta 10 miyon pesos.  
Tourist expenditures on Guam generate an estimated \$8 - 10 million in tax revenues.*



## CRIMES AGAINST TOURISTS CAN CRIPPLE THE TOURIST INDUSTRY.

*Na'halom gi planun fasilitat turista ayu siha ni siña ha na' dimenos i che'cho' kriminat.*

*Establisu un estasion polisia ni para u responsapble direktamente ni Bakanan Tom-hom mismo na lugat.*

Incorporate features into the design of tourist-related facilities that will reduce crime.

Establish a regular police substation with direct responsibility for the Tumon Bay area.

Crimes against tourists are widely reported in the Japanese press. Unfavorable publicity will reduce the number of potential visitors. Therefore, ensuring visitor security is very important to Guam's economy. The current policy to return crime victims at public expense to testify against alleged offenders should be continued.

## CHE'CHO' KRIMINAT KONTRA I TURISTA SIÑA YUMAMAK I INDUSTRIAN TURISTA.

*Magogof ripot gi gasetan Hapones ayu siha i che'cho' kriminat ni manmacho'cho'gue kontra i turista. Manbaba siha na ripot pot i turista guini siempre u inefekta i numirun i turista ni siña u fanmanbisita guini. Ayu gof empottante i asigurao na proteksion para i turista sa' siempre u inefekta i ekonomian Guahan. I prisente na areklamento ni umarerekla i ma'apasen i biktima para u ta'lo magi para u testigu gi kotte, debi di u makonsigi.*



## PARTIAL DEREGULATION OF AIRLINE SERVICE TO GUAM IS NEEDED.

*Kontinua kumalamtini i ma'estiran i setbisiun batkonaire para Guahan.*

*Kontinua sumupotte i lehislation i Kongressu ni para u mas faset i manhalom otro siha na batkonaire guini giya Guahan.*

Actively promote expansion of airline service to Guam.

Support Congressional legislation which would allow easier entry of airlines into Guam.

One constraint to the expansion of the tourist industry is service by a limited number of international carriers to Guam. This limited air service has restricted visitor access to Guam. Continued efforts in Congress to partially deregulate airline service to Guam would considerably improve the current situation.

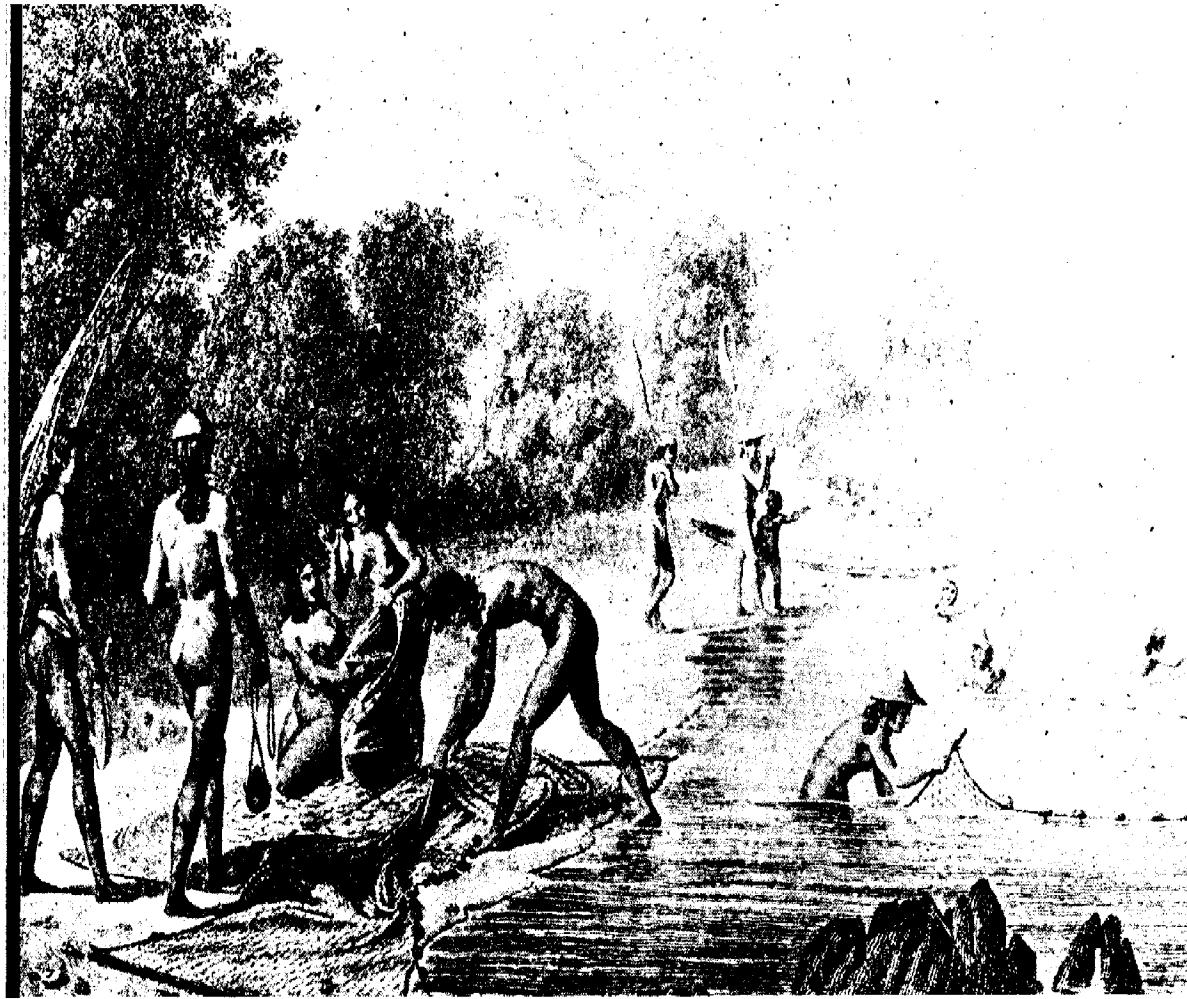
*I kompanian batkonaire siha ni sumesetbe Guahan. Domestic & International Airlines serving Guam.*



## CONTINENTAL

## PRISIU I MANA' DIMENOS I REGULACION POT SETBISIUN BATKONAIRE PARA GUAHAN.

*Unu gi gumogotte tattie i adilanton i industrial turista ayu i didide' batkonaire ni manmasedi para u fanhalom Guahan. Este na limitehen i setbisiun batkonaire prumipribi i turista para u bisita Guahan. Komu sigi ha' i che'cho' i kongressun i Estados Unidos ni para u na' dimenos i rinekton i areklamenton batkonaire para Guahan, siempre u alibia i prisente na situasion.*



*Matanteteha na antes di 1980 na sakkan, ha nesisita Guahan kasi 7 miyon libras na guihan yan otro siha na produkton tasi para u na'satisficho i nesisidat taotao i tano' yan i bisita. Tres rason na este na minamata' i nesisidat gi freskon guihan prisente gi isla: tradisionat na nenkanno' para i Chamorro, i Filipino, yan i Hapones, kualidat na produkton i manggaige gi tasin Guahan yan i manmakmatan i taotao nu i alimenton guihan. Ginen este na rason siha na siempre mas sesso yan siguru na u ma'dimanda guihan fresko. Entones, siña i ume'guihan dumankulo na industria guini komu i presiun otro klassen nenkanno' pat i mana'halom siha na guihan yan siempre u na'lancho yan ladankulo i fondon i ekonomian Guahan.*

*Gi prisente, i ma'estudian, i manehan, yan i ma'atbansan i guihan tasi gaige ha' gi pri-met esklarera. Lao guini gi ti manapmam na tiempo, guaha mas interes, embestigasion, yan manmamo'lo salape' gi manma'produkton yan kinalamten umeguihan guini giya Guahan. Esta guaha unus kuantos granu manmamomoksa'i gága'saddok yan man meska gi mattingan komu bisnes-ñiha.*

By 1980, it is expected that Guam will require approximately 7 million pounds of fish and fishery products to satisfy the needs of the resident population and visitors. The reasons for the widespread demand throughout the island for increased availability of fresh fish are threefold: fish is a traditional staple food of the Filipino, Japanese, and Guamanian populations; the available fishery resources in Guam's waters are of high quality; and public interest in the nutritional content of fish products has increased. From these factors, a stable and growing demand for fresh fish on Guam can be expected. Thus, commercial fishing, developed on Guam at competitive prices, can become a means of broadening the island's economic base.

*Empottante i guihan gi na'-ñiñha' i manansianu na Chamorro.  
Fish were an integral part of the ancient Chamorro diet.*



Currently, research, management, and development of fishery resources is in a pioneer stage. In recent years, however, there has been an upsurge of interest, investigation, and investment in aquaculture and fishing activities in Guam. Several aquaculture, as well as offshore fishing enterprises, are underway.

## FEDERAL CONSTRAINTS LIMIT THE DEVELOPMENT OF COMMERCIAL FISHING.

*Espia kao siña mana'sahngé Guahan gi areklamenton federat siha ni promohihibi i adilanton industrian ume'guihan.*

*Embestiga hafa mas benifisiu ginen i 200 miyas na tasi ni lumilikoku'i Guahan.*

Seek exemptions from federal constraints that restrict the development of fisheries.

Investigate the potential for increased benefits from the 200-mile fishery conservation zone around Guam.

There are certain federal constraints that restrict the island's fishing industry from developing into a large scale income producing sector. According to specific provisions of the Jones Act, the purchase or use of foreign-made fishing boats larger than 5 net tons is prohibited. These provisions limit local development of commercial fishing, since Guam does not build large fishing vessels and the cost of purchasing U.S. made fishing boats is almost prohibitive. Current federal law prohibits Japanese, Korean, or other foreign fleets from off-loading tuna in U.S. ports. However, American Samoa, where the Van Camp and Star Kist companies both operate tuna canneries, has been granted an exemption from this requirement.

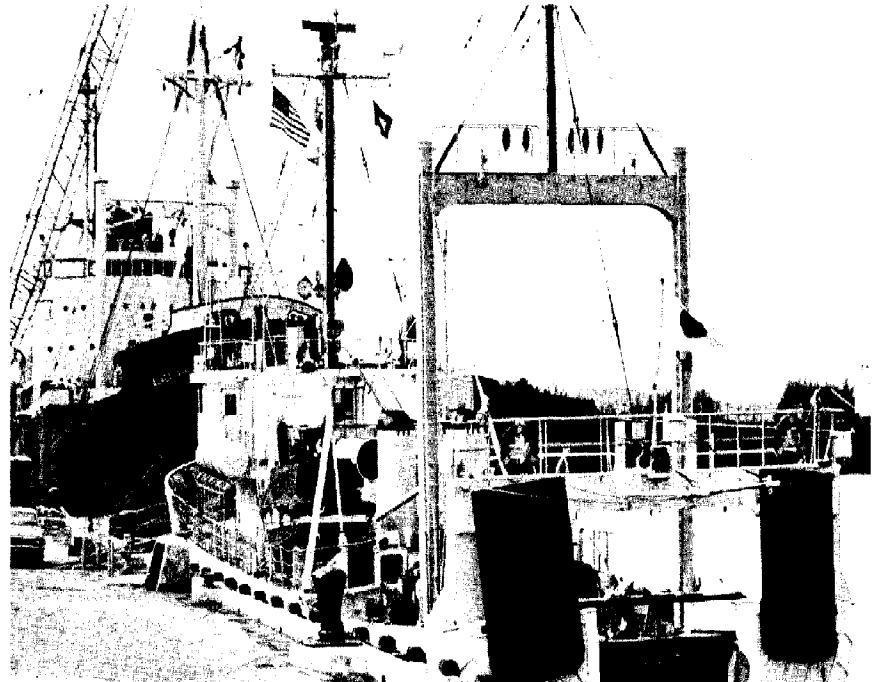
The federal Fishery Conservation and Management Act has created a fishery conservation zone for waters within 200 miles of the United States and its territories. Tuna catches within this 200-mile zone are still allowed by foreign vessels. However, other types of fishing by foreign interests require permits under the provisions of the Act.

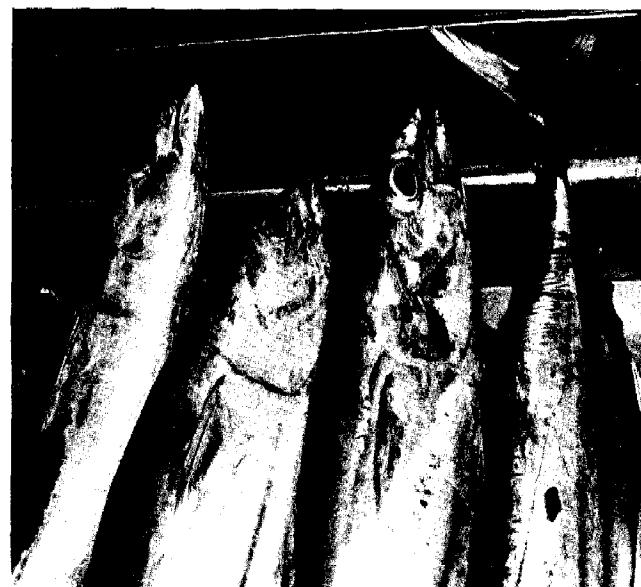
## I ADILANTON INDUSTRIAN I KOMETSIANTEN UME'GUIHAN MANHINEHENÑO' NI AREKLAMENTON FEDERAT.

*I industrian ume'guihan giya Guahan ti siña ma'atbansa para mas u fama'ganansia sa' guaha gi areklamenton federat humohonño. Sigun gi espasifiku na seksion gi Jones Act, ti siña mafahan pat ma'usa i batkon estranheru ni dankulon-ña ke 5 tiniñada. Este siha na prubision muna'linimiti guini i kometsiante umeguihan sa' ti manma'tinas Guahan mandankulo na boti ya i presiun i boti ni mafa'tinas gi Estados Unidos ti langakyon. I prisente na areklamenton federat ti sinedi i Hapones, i Kurianu, pat hayi otro na taotao hiyong na u fan mandeskatga tuna gi maseha manu na puettu gi Estados Unidos. Lao, iya American Samoa annai gaige parehu i Van Camp yan i Star Kist na kompanían malatayin tuna, mana'sahngé guini na areklamento.*

*I Fishery Conservation yan Management Act gi patten i federat mama'tinas areklamento para u maneha i makonne' guihan gi halom i 200 miyas na tasin i Estados Unidos yan i teritoriu-ña. Sinedi ha' i taotao hiyong na u fannakonne' tuna gi halom este na raya. Otro siha na klassen umeguihan dinimamanda petmisu sigun gi este na prubision i Acto.*

*I nuebu yan hagas na maneran pumeska. The old and the new methods of fishing.*





*Siña dankulo na probechu machule' gineng i ma'adilanton i pumeskan tuna gi tasin Guahan.*  
Tuna fishing off Guam's coast has a great potential for development.

**KADADA' I KAPASIDAT TAOTAO TANO' GI KAPITAT-ÑIHA YAN I TEKNIKAT NA TINGO' POT I ADILANTON UMEGUIHAN.**

*Guaguan i nesisidat i kometsiun ume'guihan yan mamoksaí ga'ga' saddok ya ginagagao takhilo' na tingo' teknikat. Siña ayu ha'i manggai eksperensiá na endibiyu'at pat kompani'a u fanggai interes para u fanna'hallow salape' guini na bisnes. Dimasiao lok-kue' atotgao este i adilanto yan bumisnis ume'guihan.*

#### **THERE IS A LIMITED AMOUNT OF LOCAL CAPITAL AND TECHNICAL KNOWLEDGE REGARDING FISHERIES DEVELOPMENT.**

The capital requirement for commercial fishing and aquaculture is high and requires considerable technical knowledge. It is probable that only experienced individuals or corporations would be interested in investing in fisheries ventures. Fisheries development is also limited by a high degree of risk.

*Guaha unus kuantos na grupu ni manman-i'na manñaosaonao gi ma'attbansan i industrial ume'guihan. Gineng i Pacific Tuna Development Foundation, dos na nuebu na batkon umeguihan gineng i Estados Unidos, sigi makechagi yan matulalaika hafa taimanu malagua'-ña i tuna ni manggaige guini gi Western Pacific. I National Marine Fisheries Service mankondudukta programma annai mai'ina ayu siha i pot i manmafa'katnana da na guihan, manu na manggaige i guihan yan taimanu mapugin-ñiha.*

*I Western Pacific Regional Council ma'identifika tres na lugat nai siña manggaige i guinahan i tasi – billfish, manggaibali na acho' tasi yan minirat – yan nesariu na u fama' planu para u mananeha kada unu guini na guinaha. I Food and Agriculture Organization yan i South Pacific Commission kumondudukta otro siha na estudio. I Department of Agriculture siña ha umenta i kapasidat-ña gi mainan yan manehan i guinahan i tasi gi teritoriu.*

Several research groups are actively involved in fisheries development. Under the Pacific Tuna Development Foundation, two modern U.S. fishing vessels have begun testing and modifying the net fishing techniques for the skipjack tuna resources of the Western Pacific. The National Marine Fisheries Service conducts research programs dealing with the provision of bait fish, economic factors, and fish location and attraction methods.

The Western Pacific Regional Council has identified three potential areas of marine resources – billfish, precious coral and mineral resources – and is required to develop a management plan for each resource. Other research projects are being conducted by the Food and Agriculture Organization and the South Pacific Commission. The Department of Agriculture can increase its capabilities in research and management of territorial fisheries resources.

ESTIMATED CURRENT ANNUAL RETAIL VALUE OF SEAFOOD AND FISH PRODUCTS CONSUMED BY HOUSEHOLDS ON GUAM<sup>\*</sup>  
*IMA ESTIMA NA BALIN I NENKANNO' YAN PRODUKTO GINEN I TASI NI MAKAKANNO' NI FAMILIAN GUAHAN KADA SAKKAN.*

Fish Products	Thousands of Dollars
Canned	2,614
Frozen	2,189
Fresh	3,023
Dried and Smoked	258
All Fish and Seafood Products	8,385

\* Assuming 16,000 households, 89.5 percent of which consume fish and seafood products.  
Source: Some Factors Affecting Household Consumption of Seafood and Fish Products on Guam, Bureau of Planning, Government of Guam, March 1978, p.18

*Abiba mas minalago' gi mamo'lon salape' gi guinahan ume'guihan pat gi manma'poksaí ga'ga' saddok.*

*Supotte ayu siha na grupu yan komision ni manñaosaonao gi aktibidad i ma'inan yan ma'adilanton i umeguihan.*

*Umentayi i animon i gubietno ininan yan minanehan i guinahan tasi.*

Encourage increased investment in the area of fisheries resources and aquaculture.

Support research and development activities of regional foundations and commissions involved in fisheries development.

Increase governmental efforts in research and management of fisheries resources.

## CURRENT PORT FACILITIES ARE INADEQUATE FOR COMMERCIAL FISHING.

*Na'guaha fasilitat ni para u sinupotte i industrian ume'guihan gi Dry Dock Island gi ya Apra Harbor.*

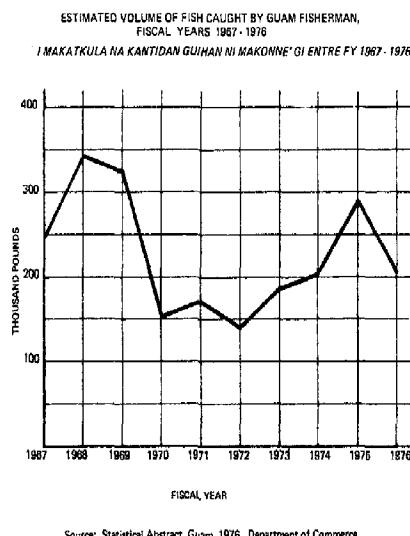
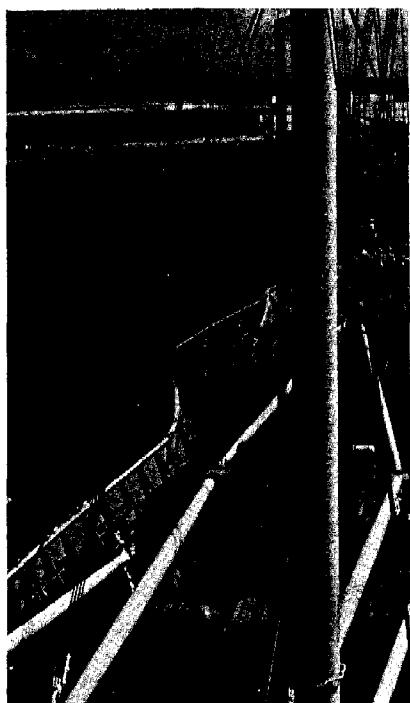
*Na'make'establisia i sagan malatayi, sagan muna'manengheng yan fasilitat transshipment.*

Develop commercial fishing support facilities on Dry Dock Island in Apra Harbor.

Encourage establishment of a cannery and a freezing and transshipment plant.

## TI KAPAS I PRISENTE NA PUETTO PARA I INDUSTRIAN UMEGUIHAN.

*Kasi 55 arias siña mana'setbe para ma'adilanton i industrian ume'guihan gi Apra Harbor. Yanggen para u guaha este i industrian ume'guihan, debi di u guaha un midianu na sagan malatayi pat fasilitat transshipment. Nesisariu lokkue' i supotte na fasilitat siha tat komu pantalan para u sinetbe i boten ume'guihan, sagan muna' manengheng, sagan laña, sagan deskansayon para i marinero, sagan i atministrasion, yan sagan kareta. Guini lokkue' na lugat debi di u guaha lugat industriat para i malaksen i talaya yan chenchulu. Yanggen ma'adilanta i Dry Dock Island, siña matransfieri i mama'maolek batko na fasilitat ni iyón i endibiyu'at kosa ki siña inalibia i kantidan aktibidat gi puetto.*



## THERE IS A NEED FOR INCREASED LOCAL FISHERIES ACTIVITIES.

Small-scale fishermen face many obstacles in developing profitable operations. Time is spent locating markets to sell the catch and many hours are wasted in hand fueling boats and chipping blocks of ice for the chill box. These obstacles could be removed through an effective fisherman's cooperative. The government should support such cooperatives in their efforts to establish a marketing mechanism for locally caught fish and to provide facilities for fueling, ice, cold storage and other industry services.

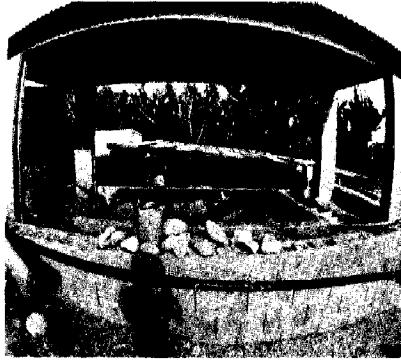
## PRISIU NA U GUAHA MAS AKTIBI-DAT UMEGUIHAN GUINI.

*I mandikike' na peskadot mafafana' meggi na impedimento para u fanmama'ganansia. Mi tiempo ha gagasta para u kebende i kinenne'-ña, para u nábula i tanken gas i botíña, yan para u na'llisto i kahon muna'manengheng. Ginen un efektibu na koporasion siña este siha na impedimento mana'fanñuha. I gubietno debi di u supotte taiguini siha na koporasion gi animon-ña para u ma'establisia taimanu manmabende i guihan ni manmakokonne' guini yan u na'guaha fasilitat laña, ais, sagan manengheng, yan hafa otro siha na fasilitat setbisu.*

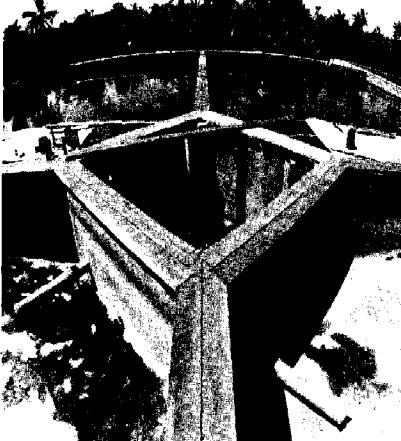


*Supotte i koporasion umeguihan gi animon-ña para u mana'guaha suficiente na pantalan yan fasilitat setbisu.*

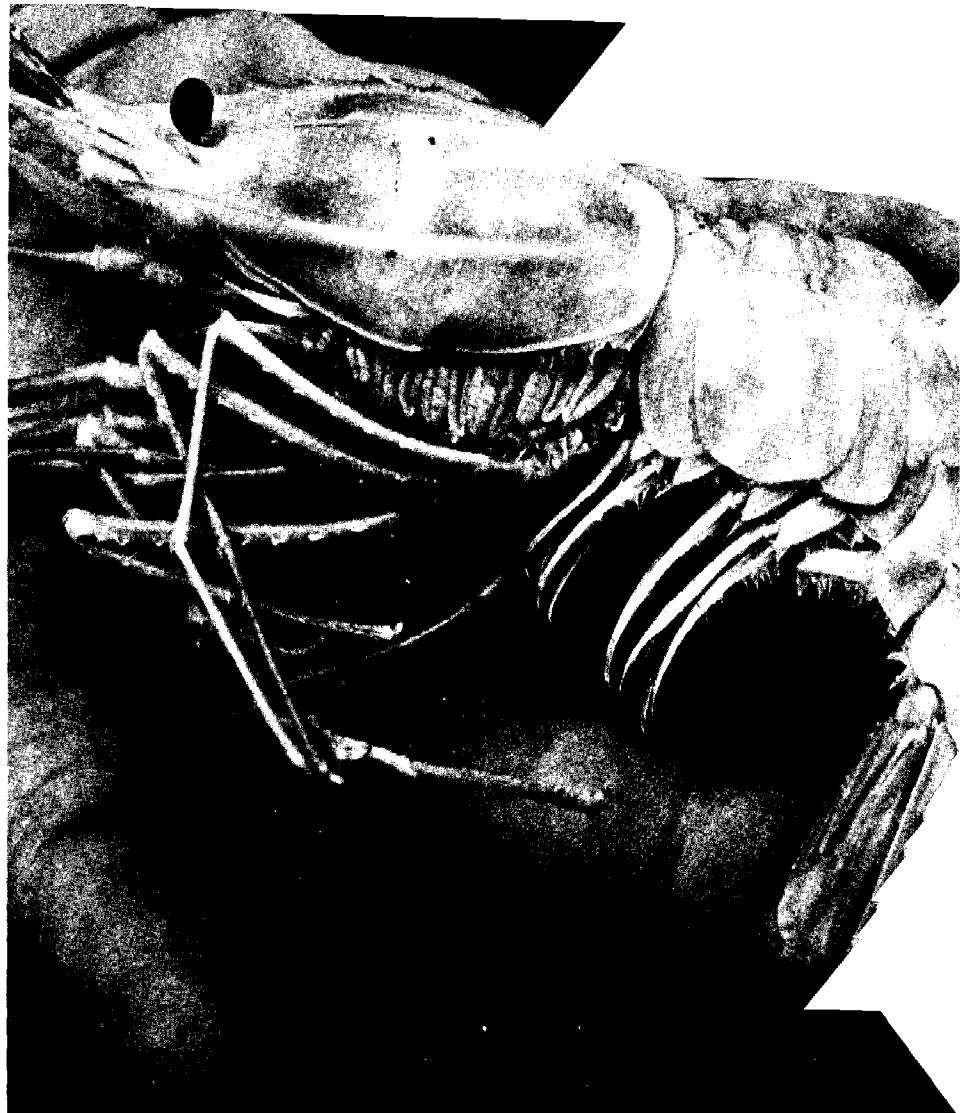
Support fishing cooperatives in their efforts to provide adequate dock and service facilities.



Sagan mamoksaí para patgon hagan  
Rearing tanks for soft shell turtles



Sagan mamoksaí para patgon asuli  
Rearing tanks for elvers (baby eels)



Uhang taddong. Deep water wildstock shrimp.

#### **GUAHÀ KAPASIDAT-ÑA GUAHAN PARA MAS PRODUKTO GINEN MAMOKSAI GA'GA'SADDOK.**

*Mas siña makosecha yanggen mapoksaí i uhang yan asuli komu manmapo'lo gi un lugat ya mamaneha maolek.*

*Sigun gi inestudia masodda' na guaha kasi 600 arias gi sanhaya na bandan Guahan ni maolek para mamoksaí ga'ga' saddok. Manma'identifika gi inestudia este siha na klassen ga'ga' saddok komu uhang, asuli, talapia, ito, otro klassen guihan saddok, yan katnada para tuna.*

#### **THERE IS POTENTIAL FOR INCREASED AQUACULTURE PRODUCTION ON GUAM.**

Aquaculture is the culture or husbandry of aquatic plants and animals. A selected species or group of species is confined in a given area from which maximum production is obtained through the use of fertilizers and feed, disease and environmental control, and elimination of predators.

Studies have identified approximately 600 acres suitable for aquaculture in Southern Guam. Studies of potential aquacultural

*Supotte i ma'adilanton mamoksaí ga'ga' saddok ginен маёimplementa programma ni fumanunu'e i taotaо hafa na klassen ga'ga' saddok maolek mapoksaí.*

Support aquaculture development through demonstration projects for particular species.

species have identified prawns, eels, tilapia, catfish, carp, milkfish, oysters, mullet and species of tuna bait as prime candidates for aquaculture.

Pond operators are faced with scarcity of shrimp larvae and milkfish fry. The sole source for shrimp is Hawaii's State Fish and Game Department, which can only supply enough larvae to stock 12 acres of ponds per year. The Department of Agriculture's rearing tank for the production of giant Malaysian prawns will assist operators in stocking ponds.

However, this tank will not be able to supply enough larvae to stock the 45-50 acres of ponds required for current local consumption. These ponds, if properly maintained, could produce 500,000 pounds of shrimp annually. If feasible, a hatchery for shrimp and other species should be constructed. The Philippines, as the only source of milkfish fry, has banned its export.

*Manfinafana' i mumaneneha i hagoi ni hasan i chada'uhang yan patgon agua. I Hawaii State Fish and Game Department solu nai guaha chada' uhang ya hokok ha'gi sakkan siña ha suplika na ayu i para u nahong i 12 arias na hagoi. I tanken mamoksai ni iyun i Dipattamenton Agrikuttura manprodusid manhigante na uhang Malaysia para u inayuda i mumanenehan i hagoi.*

*Lao, ti nahong este na tanke para u na'nahong sumuplika i 45-50 arias na hagoi ni dinimamanda ni i nesisidat i isla. Este na hagoi, yanggen ma'adahin maolek, siña ha produsi asta 500,000 libras na uhang gi sakkan. Yanggen faset, fasilitat mamulakes uhang yan hafa otro na klassen ga'ga' hanom debi di u mahatsa. I Filipinas, ni solu nai gaige i guinahan patgon agua, ha prohibi i ma'ekspottan este na patgon guihan.*

*Embestiga kao pusipble i mana'ladankulon i fasilitat mamoksai ga'ga' saddok yan manhatsan sagan mamulakes.*

*Espiha hafa taimanu nai siña managuaha kontrata yan i Filipinas pot i mana'halom patgon agua.*

Investigate the feasibility of expanding current aquaculture facilities and construct a support hatchery.

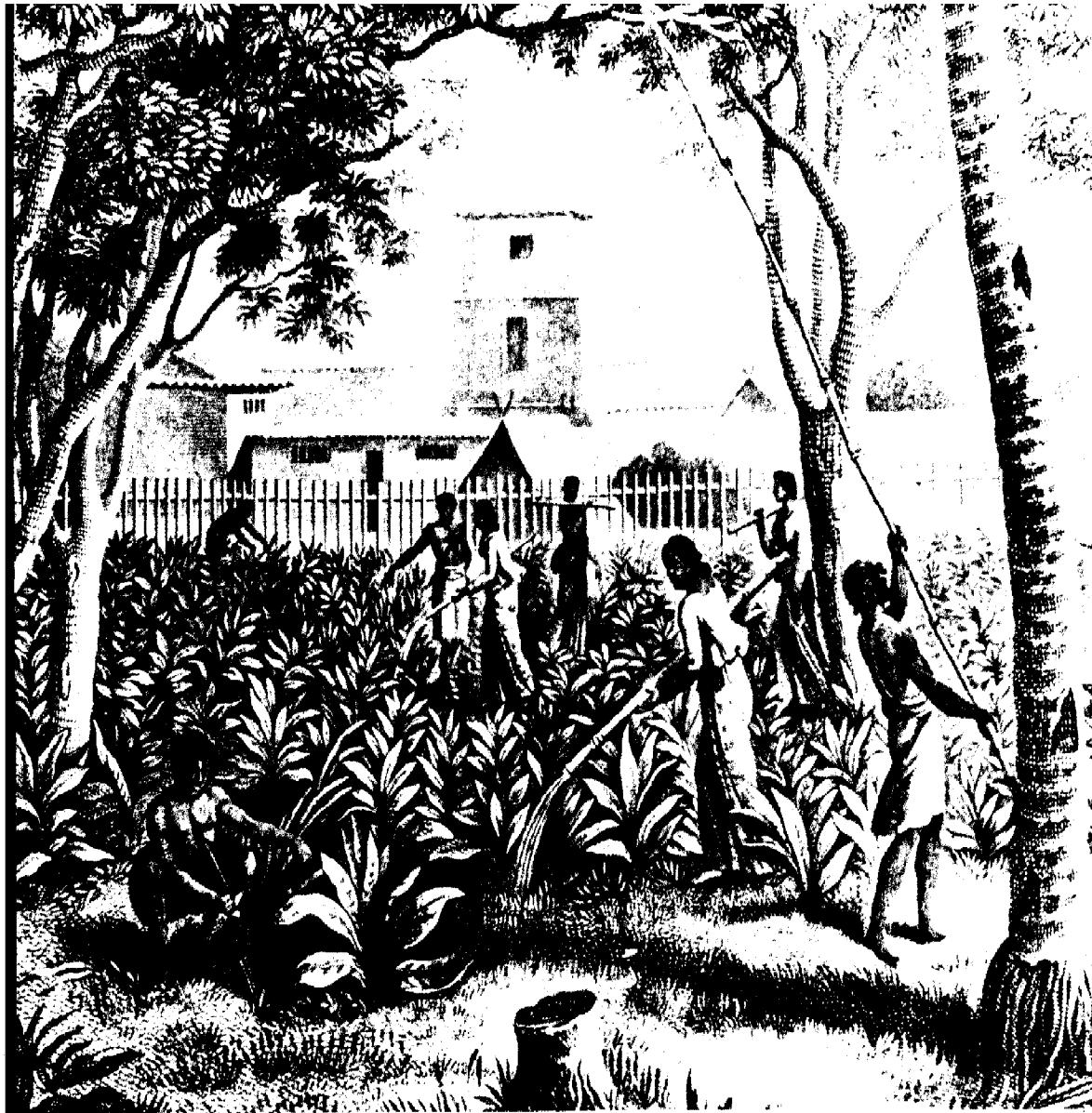
Seek an agreement with the Philippines for importation of milkfish fry.



POTENTIAL PRODUCTION OF DIFFERENT AQUACULTURAL SPECIES ON GUAM  
PUSIPBLE MANMAPRODUSI NA KLASSEN GAGA'SADDOK GIYA GUAHAN

Species	Total Production (in Thousands of Pounds)	No. of Acres Available	Average Productivity (in Thousands of Pounds per Acre)
Catfish	960	120	8
Carp	960	120	8
Tilapia	960	120	8
Eel	750	30	25
Tuna Bait	500	50	10
Shrimp	480	120	4
Oysters	400	10	40
Milkfish	60	20	3
Mullet	30	10	3
Total	5,100	600	

Source: Guam Public Market Feasibility Study, Department of Commerce, Government of Guam, July 1977, p.138



*Gi manmaloffan siha na tiempo, i che'cho' i lancho i mayot na aktibidat ekonomia. Lao guaha kondision siha umatataha i adilanton agrikuttura gi kometsiante na banda. Ha indidika i mas Ruebu na enfotmasion na menos ki 30 pot siento ni produkton agrikuttura ni makakanno' Guahan maprodusin este ha'. I adilanton agrikuttura siempre u na'guaha opottunidat hotnat, siempre u ribaha i kantidan nenkanno' ni ma'impopotta ya siempre ha na' mas independiente i ekonomian Guahan.*

Traditionally, subsistence agriculture was the major economic activity on Guam. However, certain constraints have limited the development of commercial agriculture. Recent data indicates that only 30 percent of the fresh fruits and vegetables consumed on Guam are locally produced. The development of agriculture will generate employment opportunities, help reduce the importation of food, and move the economy towards increased self-sufficiency.

**THERE IS A LACK OF COORDINATION AND SYSTEMATIC PLANNING OF AGRICULTURAL DEVELOPMENT.**

*Establosa gi halom i Dipattamenton Agrikuttura, un seksion ni responsapble para u maneha yan ebalu'a hafa mas prisu para u masupotte gi agrikuttura yan para u emplementa planu para i adilanton agrikuttura para apmamam na tiempo.*

Establish a unit in the Department of Agriculture to coordinate and prioritize agriculture support efforts and implement a long-term agriculture development strategy.

**TI NAHONG KOOPERASION YAN SISTEMA PARA MADIRIHI I ADILANTON AGRIKUTTURA.**

*Taya' ahensia gi gubietno na klaru na guuya ha' responsapble para u emplementa planun agrikuttura. Komu ma'umenta i kapasidat mama'planu gi Dipattamenton Agrikuttura siempre siña ha ebalu'a i prisente na programma, ha fa'tinas nuebu na programma, ha ditetmina i mas maolek ma'usa-ha i salape', yan ma'emplementa nuebu na planu para apmamam na tiempo.*

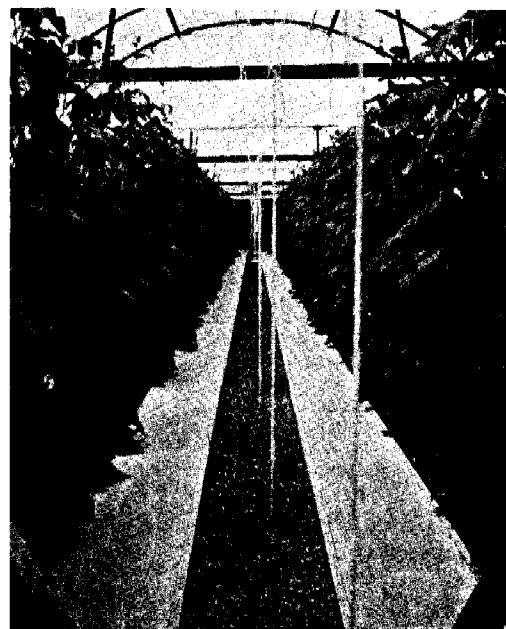


*Pinenta annai a'annok i Chamorro manguagualo' ginen i leblon Dumont d'Urville gl 1835 ni mafanana on "A Voyage Around the World."*

Sketch of Farming on Guam from Dumont d'Urville's 1835 book "A Voyage Around the World."

*Hydroponic farms para maprodus i fruta yan gollal sifha humuyong 15 buettas mas ki regulat na maneron manonom, yan maolek guini gya Guahan sa' guaguan yan didide'i i guaha na tano'.*

Hydroponic farms for fruit and vegetable production can yield 15 times the average harvest by conventional methods and offer a promise for development on Guam where land is limited and expensive.



**LOCAL PRODUCTION, IMPORTS AND TOTAL CONSUMPTION  
OF MAJOR AGRICULTURAL PRODUCTS IN FY 1974**  
*I KANTIDAN MAKAKANNO', MANIMAPOKSAI YAN MANMA'IMPOTTA SIHA  
NI MAYOT NA PRODUKTUN AGRIKUTTURA*

COMMODITY	LOCAL PRODUCTION		IMPORTS		TOTAL CONSUMPTION	
	Dollars (\$'000)	%	Dollars (\$'000)	%	Dollars (\$'000)	%
Eggs	1,983	86	328	14	2,311	100
Fruits & Vegetables	798	26	2,304	74	3,103	100
Pork	563	22	1,963	78	2,526	100
Poultry	104	8	1,157	92	1,261	100
Fresh Fish	131	11	1,104	89	1,235	100
Beef	94	2	3,741	98	3,835	100
Total	\$3,673	26	\$10,597	74	\$14,271	100

Note: Import data by commodities is not available after FY 1974

Source: Growth Policy for Guam, Bureau of Planning, Government of Guam, May 1977, p.28

CROPS RECOMMENDED FOR EXPANDED CULTIVATION  
I MANMAPEKOMENDA NA KLASSEN PRODUKTO NI DEBI DI U FANMATANOM MAS

DISTRICTS AND CROPS	1974 PRODUCTION		1974 MARKET REQUIREMENTS*		1983 MARKET REQUIREMENTS	
	Acres	Pounds	Pounds	Acres	Pounds	
<b>A. NORTH</b>						
Beans, K.W.	20.4	83,572	248,000	67.0	340,000	
Radish	21.1	35,589	82,000	29.8	112,300	
Sweet Potatoes	33.2	92,951	360,000	59.0	493,000	
Tomatoes	112.2	278,397	936,000	223.7	1,281,000	
<b>B. SOUTH</b>						
Bittermelon	48.4	146,586	280,000	65.3	383,500	
Cantaloupes	67.9	169,239	722,000	108.7	986,000	
Papayas	1,087†	118,524	356,000	3,826†	501,000	
Pineapples	0.5	272	24,234	3.3	33,000	
Zucchini	N/A	N/A	56,000	37.0	68,500	
<b>C. NORTH &amp; SOUTH</b>						
Awayudas	928†	89,137	358,000	2,900†	490,300	
Bananas, eating	68.0	301,383	702,000	115.0	960,000	
Cabbage, Chinese	79.0	200,559	442,000	107.7	602,500	
Cabbage, Head	10.8	27,984	1,411,000	97.3	1,931,000	
Corn	29.1	66,940	481,000	117.4	660,000	
Onions, Green	31.7	62,865	376,000	122.0	516,000	
Bell Peppers	39.8	86,435	211,000	76.2	288,000	
Taro, Hawaiian and Wetland	32.8	89,745	347,500	205.2	469,800	

\*Based on 1974 DOA survey of food outlets on Guam.

†Trees

Source: Agricultural Development Plan, Bureau of Planning, Government of Guam, March 1978, p.26

## GUAHÀ NA TANO' NI MANMAOLEK PARA AGRIKUTTURA TI MANMÁU'USA.

*Guaha giya Guahan tano' ni manesisita para u supotte i agrikuttura na industriet. Esta ma'indentifika 10,000 arias ni siña ma'usa para agrikuttura.*

*Para u mas adilanto i gualo', matutuhon esta un kabales na programma para u mari-konosi i minaolek i edda'. Nesisariu este na programma para u maditotmina kao siña matanom diferentes klassen tinanom gi es-pasifiku siha na lugat. Siña ha na'e hit enfotmasion pot hafa na abonu manesisita yan pot i kondision malingun edda' gi tano'. Ginen este na enfotmasion siña ta na'lmaolek i mamanehan agrikuttura na aktibidat.*

## GUAM HAS LAND AREAS SUITABLE FOR AGRICULTURE WHICH ARE LYING IDLE.

The basic natural resources which could support an agriculture industry on Guam are available. Approximately 10,000 acres have been identified as being suitable for agriculture development.

To further develop field farming, a comprehensive soil testing program has been initiated. This program is necessary to determine the potential of growing certain crops in specific agricultural areas. The tests can provide data on fertilizer requirements and soil erosion factors to serve as a basis for improving management techniques.

*Ma'identifika mas yan ma'mapa i prisente siha na kosecha yan manu na lugat siña magualu'e.*

*Na' funhayan i kabales na programma para ma'ebalu'a i edda' fangalu'an.*

Provide further identification and detailed mapping of existing crops and potential farmlands.

Complete the comprehensive soil testing programs.



*I maolek na sisteman hanom para manrega siña munapupisipole mananom todú i sakkan.*  
Good irrigation systems can make farming a year-round activity on Guam.

*Na'klaru yan enfuetsa i areklamento pot ariendon agrikuttura.*

*Abiba i mana'guaha i mandankulo na fangualu'an kometsiante ginen i mana'pusipble ariendon i manmaolek na tano' gubietno para agrikuttura para anakko' na tiempo.*

*Na'guaha mas dipositon hanom, sisteman manregan tinanom, chalan yan otro siha manesisita na fasilitad para agrikuttura.*

*Abiba i ma'establisian i Distritu Para Adilanton Agrikuttura para ayu na tano' agrikuttura ni munesisita kantida na salape' para mana'guaha i manesisita na fasilitad.*

Clarify and enforce the terms of agricultural leases.

Encourage large-scale agricultural operations through long-term government leases of prime agricultural land.

Develop additional water reservoirs, irrigation and drainage systems, access roads, and other agriculture infrastructure, as needed.

Encourage the establishment of Agricultural Improvement Districts for land requiring a large infrastructure investment.

Under government agricultural lease programs, short term lease lots often either remain idle or are utilized by the lessees solely for residential use. Long term lease programs provide sufficient time to obtain an adequate return on investment. Land leased should be of sufficient size for large scale farming and should be adjacent to other farmlands to facilitate the sharing of costly equipment.

There are large tracts of private and government prime agricultural land lying idle because of limited access to the property and year-round water supply. Four possible water reservoir sites have been identified in Southern Guam to meet drinking water or irrigation needs.

Guam cannot afford to develop all agricultural land simultaneously. Consideration should be given to creating Agriculture Improvement Districts within areas identified as suitable for agriculture. These districts would consist of adjoining agricultural lands whose owners have demonstrated a desire to farm. After establishing an Agricultural Improvement District, the following steps would be taken: lands surveyed and soils tested, infrastructure planned, and funding identified.

*Gi programman ariendo para agrikuttura gi gubietno, meggai siha ni manma'arierienda para kadada' na tiempo ti ma'u'usa i tano' osino masagagayi ha' para residensia. I ariendo para apmam na tiempo ha na'guaha suficiente na tiempo para u guaha ganansian-ña i taotao. Debi di u suficiente i minneddong-ña i tano' ni ma'arieriendo para gualo' kometsiante, yan debi lokkue' di u bisinu yan otro fangualu'an kosa ki siña ma'acha'usa i guaguan na makinan fangualu'an.*

*Meggai dankulo na pidason tano' ni iyón i gubietno pat taotao ni maolek para agrikuttura ti ma'u'usa sa' taya' chalan-ña pat taya' hanom-ña. Kuatro na lugat para dipositon hanom para nesisidat giren pat manregan fangualu'an ma'identifika gi san haya na bandan Guahan.*

*Ti siña i gubietnon Guahan ha achagigu mulangak i ma'adilanton todú i lugat agrikuttura. Debi di u mahasso i mafoitman Distritun Para Ma'adilanton Agrikuttura gi lugat siha ni manma'identifika komu maolek para agrikuttura. Este na distritu ha embra-brasa ayu i manbisinu na tano' ni mammalago' i dueño na u fangualo'. Despues di mafoitma un Distritu Para Ma'adilanto Agrikuttura, siempre macho'gue este siha: ma'midi i tano', ma'ebalu'a i edda', ma'plane'a nesiariu na fasilitad yan ma'identifika i hale' kopble ni para u ma'usa.*

#### **SURFACE WATER RESOURCES IN SOUTHERN GUAM I GUINAHAN HANOM HILO'TANO' GI SAN HAYA NA BANDAN GUAHAN**

RIVER	Area to be Irrigated (est.)	Cost of Dam Construction (Est.)	Reservoir Storage Capacity (Est.)
		Acres	Dollars
Talofofo River	2,543	6,000,000	1,300
Ugum River	1,966	19,570,000	82
Inarajan River	2,012	2,500,000	600
Umatac and La Sa Fua Rivers	1,046	2,000,000	180
<b>TOTAL</b>	<b>7,567</b>	<b>30,070,000</b>	<b>2,162</b>

Source: Agricultural Development Plan, Bureau of Planning, Government of Guam, March 1978, p.21

**TI SUFICIENTE I PRUGRAMMAN SUPOTTASION PARA AGRIKUTTURA.**

*Unu gi mas manimpipidi na kondision pot ma'adilanton i agrikuttura, i taya' hotnalerun fangualu'an ginen Guahan. Mientras ha' guaha opottunitat cho'cho' ni bumebense i taotao gi otro siha na aktibidat ekonomia, siempre ti u fan halom gi cho'cho' agrikuttura i taotao i isla. I dos mas dankulo na fangualu'an kometsiante ministet u fanimpotta hotnalerun agrikuttura.*

*Siña man ayao salape' i lancheru yan peskadot gi Farmers Small Loan Revolving Fund hulo' asta \$10,000 gi 2 pot siento ha' na interes. I \$250,000 ni ma'apreba para este na fondo, ti suficiente para i nesisidat i lancheru. Manesisita lokkue' un programman asistensia para tiempon ira ni masupopotte ginen i Gubietnon Guahan.*

*I prisente siha na sisteman ko'operativu ministet mana'lametgot ginen i ma'analsan i estrokturan i miembros, hafa fonksion-ñiha, i setbisiu ni ha na'guaguaha yan i kapaqidat i prisente siha na fasilitat-ñiha.*

*Ministet ma'uimenta i programman setbisiu yan supottasian para i lancheru ginen i makstinden i programman federat taiguhi i Commodity and Production Credit Associations, Farmers Cooperative and Federal Land Banks, Federal Crop Insurance Corporation, and the Farmers Home Administration.*

**AGRICULTURE SUPPORT PROGRAMS ARE INADEQUATE.**

One of the major stumbling blocks in developing agriculture is the non-availability of local farm workers. As long as attractive job opportunities exist within the other sectors of the economic community, local residents will not be attracted to agriculture. Two of the island's largest commercial farms must import farm workers.

The Farmers Small Loan Revolving Fund allows farmers and fishermen a maximum loan of \$10,000 at 2% interest. The \$250 thousand originally allocated to the fund is insufficient to satisfy the needs of farmers. A locally-funded disaster aid program is also needed to provide assistance from recurring natural disasters.

The existing cooperatives need to be strengthened by an analysis of their membership structure, the range of existing functions, the services they provide and the adequacy of existing facilities.

The various support and service programs now available to local farmers need to be increased through the extension of certain federal programs including Commodity and Production Credit Associations, Farmers Cooperative and Federal Land Banks, Federal Crop Insurance Corporation, and the Farmers Home Administration.

*Establiga u kontrata ni siña inapreba ni gubernon federat para ta fanmasedi na ta fan na'halom hotnalerun agrikuttura komu ta nesisita mientras ta abibiba i ma'adilanton i hotnalerun Guahan para agrikuttura.*

*Umenta i Farmers Small Loan Revolving Fund.*

*Establiga u programman gubietno ni para u fan inayuda i lancheru yanggen maninefekta ni iran Yu'os.*

*Ebalu'a yan na' lametgot i koóperativun lancheru.*

*Espia mas programman asistensia para agrikuttura ginen i federat.*

Establish a short term contracting scheme acceptable to the federal government that would bring needed farm workers to Guam on a seasonal or annual basis while encouraging the long term development of a local labor force in agriculture.

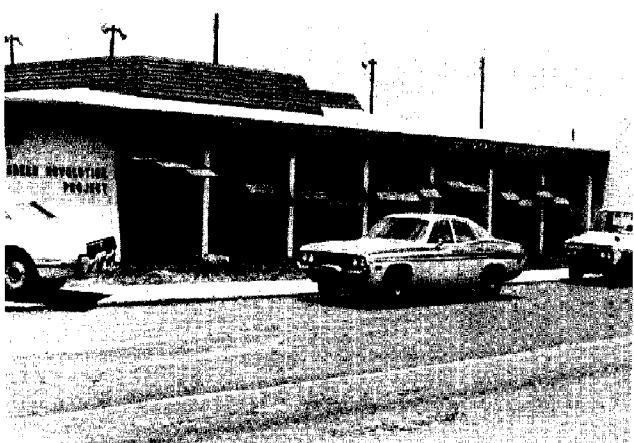
Increase the Farmers Small Loan Revolving Fund.

Establish a locally-funded Farm Disaster Aid Program.

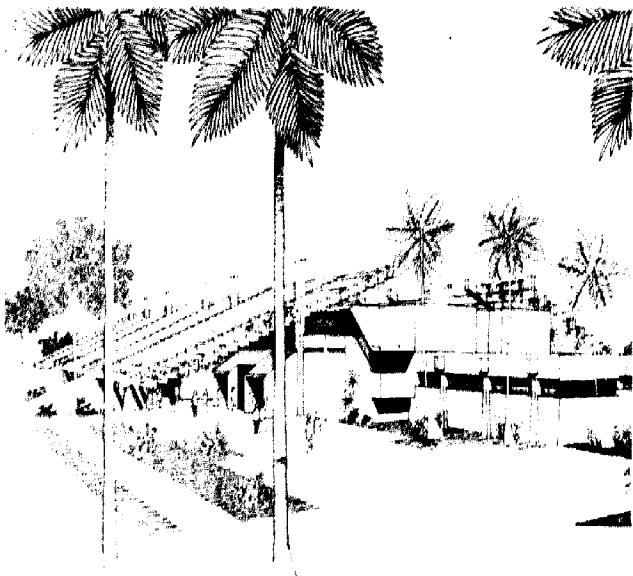
Evaluate and strengthen farmers cooperatives.

Seek federal agricultural program assistance.

*I prisente na metkao i pupblku. Existing public market.*



*I maproponi na metkao pupblku. Proposed public market.*



## THE PRODUCTION OF FRUITS AND VEGETABLES CAN BE INCREASED.

*Na'lametgot i kapasidat mankuarentena gi-ya Guahan ginan mana'guaha petsona gi-nen i Dipattamenton Agrikutturan i Estados Unidos para u ayuda hit.*

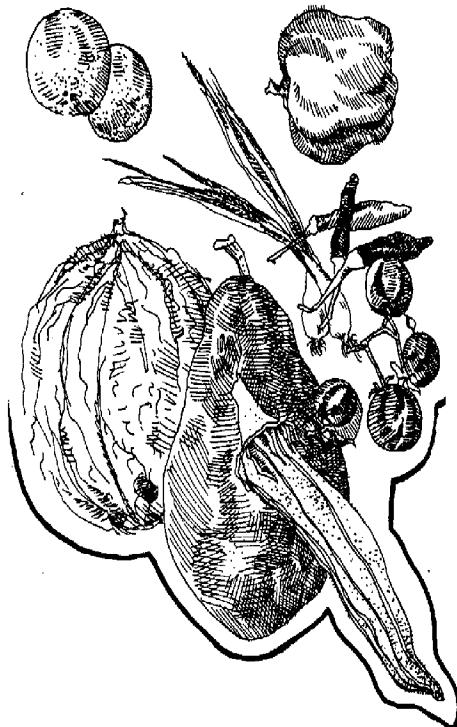
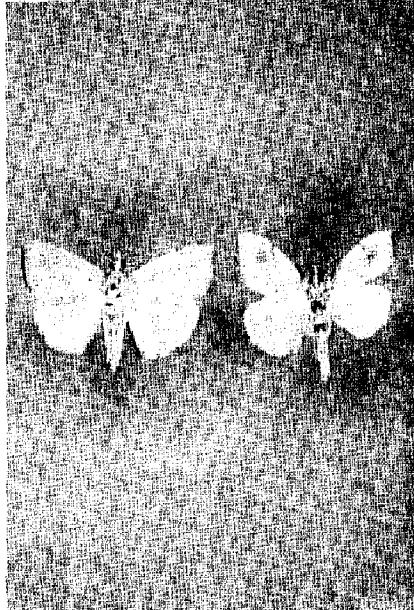
Reinforce local quarantine staff with federal quarantine personnel from the U.S. Department of Agriculture.

## SIÑA MA'UMENTA I PRODUKSION FRUTA YAN GOLLAI.

Development of field farming largely depends on how well crops are protected against pest and disease infestation. Recently, Guam eradicated the oriental fruit fly. However, the presence of another pest, the melon fly, prevents Guam from exporting its fruit and vegetable products. The banana crop is threatened by the bunchy top disease.

*Para u mas meggai na gualo' yan u mas meggai na kosecha depende gi ma'adahin i tinanom kontra ga'ga' yan chetnot. Ti ap-mam na tiempo desde Guahan ha funas to-du i lalo' fruta. Lao guaha págo lalo' melon ya pot este na ti siña Guahan ha ekspotta fruta yan gollai. Guaha lokkue' chetnot ni mu'efefekta i chetda, ni mafanana'an bunchy top disease.*

*I ma'umentan i produktion agrikuttura glya Guahan ha depepende gue' gl mas na estudio pot agrikuttura yan i ma'atahin i ga'ga' tinanom.*  
Increased agricultural productivity on Guam will depend on agricultural research and pest control.



*Guaha sen siguru na potensiat Guahan ni ayu na klassen gumualo' annai ti ma'u usa i edda' sa' fuera di gof hasan hotnalerun agrikuttura ti gos maolek i edda' yan gof guaguan i presiun tano'. Este na klassen gumualo' ha na'pusipble maprodusin kualidat na fruta yan gollai dosse meses gi sakkan sa' manmatatanom este siha gi halom un fasilitat annai siña mamaneha i kondision mananom. Esta machagi este na klassen gumualo' giya Guahan ya esta guaha kosechan flores yan gollai.*

*I guinahan fresko na fruta yan gollai ti angokkoyon. Un sistema annai siña mana' guaguaha fruta yan gollai fi'o, komu malatayi, mataruruyi, mana' anglo' o mapri-setba gi kahon manengheng.*

Hydroponic farming has a definite potential in Guam, where no substantial farm labor force exists, soils are generally poor and land values are high. Principal features of hydroponics include automatic watering and fertilizing, year-round production of crops, and higher quality produce. Hydroponics has been tried successfully on Guam and certain vegetables and flowers have been hydroponically produced.

The supply of fresh fruits and vegetables is erratic. One method of stabilizing the supply of these products is through their processing.

*Faisen i federat ya u ayuda Guahan dumes-trosa o fumunas lalo' melon.*

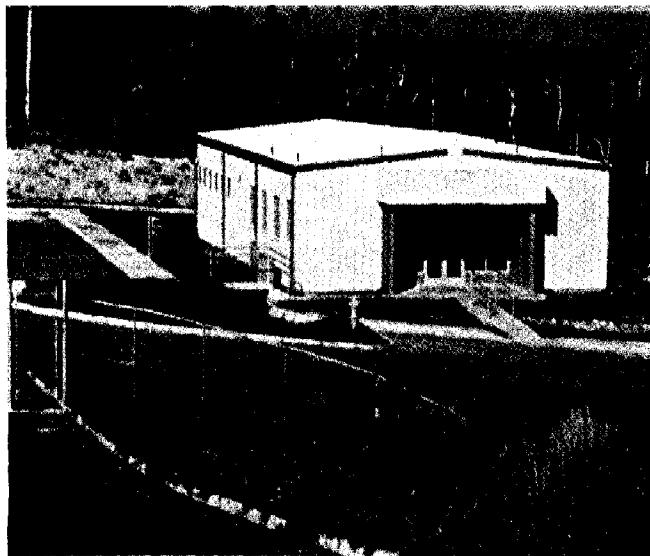
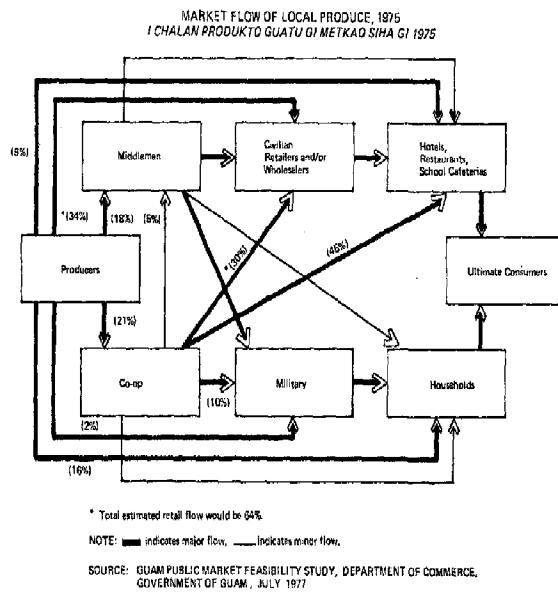
*Abiba gumualo' sin odda' ginen mana'gua-ha enfotmasion yan teknikat na ayudu.*

*Hatsa un fasilitat para mapri-setban gollai yan fruta.*

Request federal assistance to combat and eradicate the melon fly.

Encourage hydroponic farming through provision of technical assistance and information.

Construct a vegetable processing facility.



## LIVESTOCK AND POULTRY FARMING IS LIMITED.

*Na'guaha sistema para ma'distribuyi ansopblan kosecha, ansopblan mama'tinas nenkanno' yan ngatnan komu nenkanno' ga'ga' para i manma'momoksa.*

*Kahat yan probeniyi un fasilitat para munu yan manpripara ga'ga' yan manok.*

*Na'guaha estudio para u embestiga kao siña mabende i katnen karabao giya Guahan komu un industria.*

Provide for the distribution of harvest waste, food processing by-products, and food service waste as animal feed to livestock and poultry producers.

Construct and provide for the operation of a slaughter house and poultry processing facilities.

Conduct research and feasibility studies regarding the commercial marketability of carabao on Guam.

Guam farmers raise swine mainly for use as roasting pigs which are served during fiestas and numerous social occasions. Studies suggest possibilities of using refuse, coral, and root crops to lower feed costs. The establishment of a fish cannery could provide inexpensive fish meal for animal feed.

Poultry production has developed rapidly in the past few years. Egg production is already near the self-sufficiency level, but broiler production is limited. The broiler industry, like the hog industry, needs a lower-cost feed and a slaughter house.

Certain areas of land which are not suitable for other uses may be suitable for carabao grazing. Compared to cattle, carabao can subsist on lower quality land and are well adapted to Guam's climate. Research studies have indicated carabao meat has shown to be commercially marketable elsewhere.

*TI GOF MEGGAI MANMA'MOMOKSAI GA'GA' YAN MANOK PARA MANMABENDE.*

*I lancherun Guahan manma'momoksaibabue lao mas para usan-niha yanggen man gupot. Ma'sodda'gi estudia siha na siña ma'usa basula yan guaha siha na hali' tinanom, para manna'labaratu i nenkanno' ga'ga' yan manok. I ma'establisun un fasilitat para manlatayi guihan, siña guaha lokkue' baratu na nenkanno' ga'ga'.*

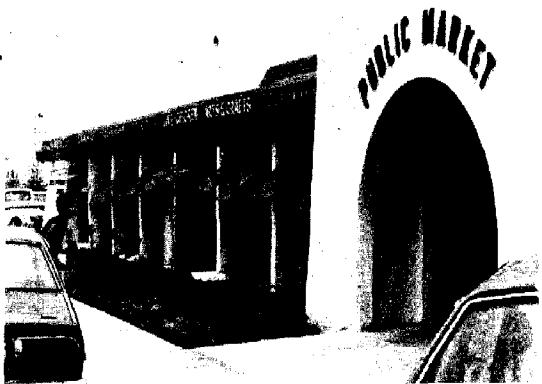
*Gof chaddek i adilanton-ña i mamoksa manok na industria. Kahna' ha' esta suficiente Guahan gi chada' manok lao trabia ti suficiente gi manok para makanno'. I industrian katnen manok, parehu ha' yan i industrian katnen babue, ha nesista baratu na nenkanno' ga'ga' yan un fasilitat para mapuno' yan mana'fangasgas i ga'ga'.*

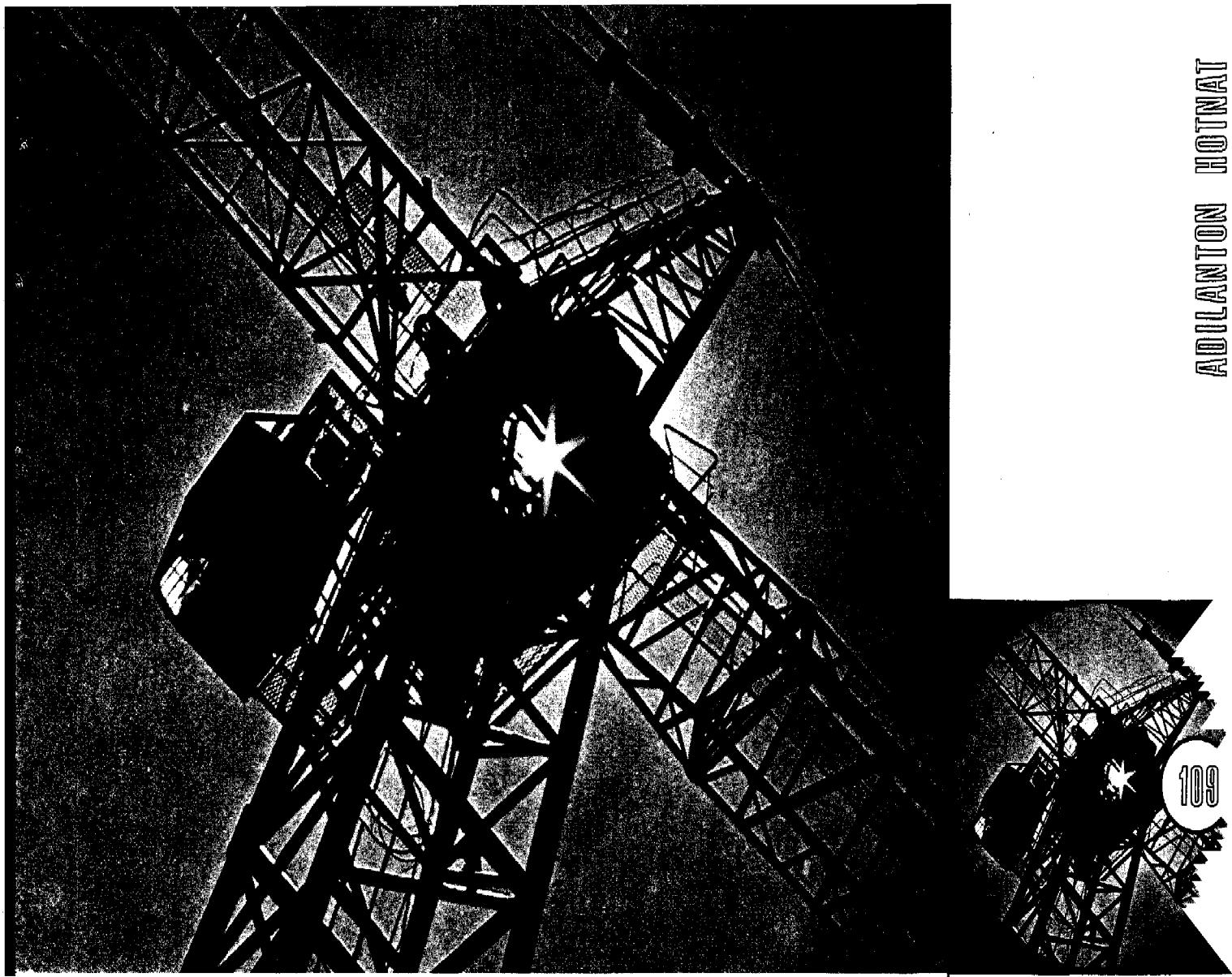
*Guaha siha na lugat ti siña magualu'e yan ti siña máusa para otro klassen aktibidad lao siña para mamoksa karabao. I karabao, siña la'la' gi pedi na lugat ti parehu yan i guaka. Lokkue', i karabao umaya yan i kleman Guahan. Esta guaha estudio umendika na siña i katnen Karabao mabende gi otro lugat.*

LIVESTOCK POPULATION, FISCAL YEARS 1967 - 1976  
KANTIDAN I MANMAPOKSAI NA GAGA, FY 1967 - 1976

Fiscal Year	Carabao	Cattle	Goats	Hogs	Horses
1967	655	6,510	1,000	7,000	88
1968	680	7,000	950	7,600	89
1969	549	6,950	600	7,960	135
1970	500	5,800	1,050	8,750	130
1971	322	4,450	982	6,699	136
1972	316	4,112	897	8,325	141
1973	298	3,986	785	8,619	132
1974	256	2,771	537	10,463	118
1975	259	2,502	492	11,726	126
1976	247	1,829	504	8,442	120

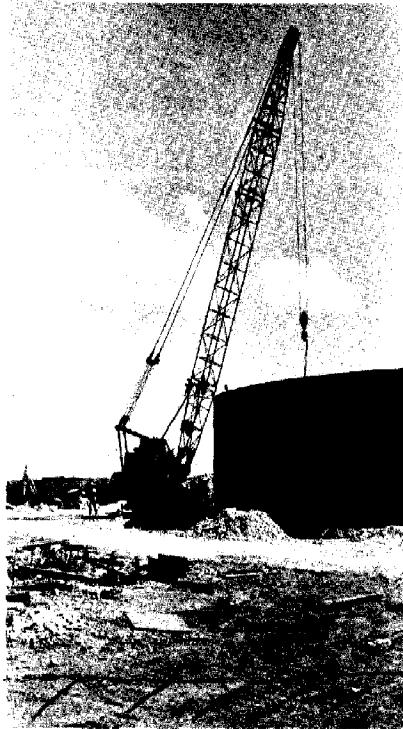
Source: Statistical Abstract, Guam 1976, Department of Commerce, Government of Guam





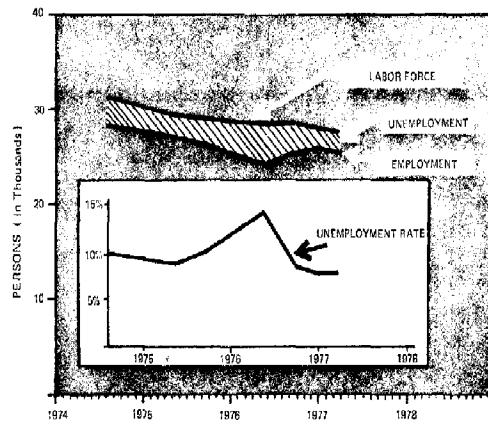
*Annai makpo' i gera ti siña mali'e' ni tao-tao i isla i dankulon tinilaika gi ekonomia ni para u masusedi despues. Pot i pinayon-ñiha i taotao gi ekonomian agrikuttura annai siña machule' ayu ha' i mas manesista, ti manpriparao i taotao para u fanhalom gi ekonomian suetdo ni dinimamanda tiningo' ni manesista para u fanmaemprea. Pot i setbisium militat i mas prensipat na opottunitidat cho'cho', ti mana'e i mayoria na residensia chansa para u fanggaitiningo' pot diferentes klassen cho'cho' ni manesista para u fañaonao gi ekonomian Guahan. Alos ettimos, manmmana'fanhalom hotnale-ru siha para u kubre i nesisidat i isla gi emplao yan setbisium publiku taiguhi i mediku, maestra, atministradot yan katpen-teru.*

Following World War II, the island's residents could not foresee the radical changes in the economy that would later occur. Experienced in the activities characteristic of a subsistence agricultural economy, the people were not prepared to participate in a wage and cash economy which required employable skills. At a time when military service was the principal employment opportunity, the majority of the island's residents were not provided the opportunities to develop skills necessary to participate in Guam's growth. As a result, professional and skilled workers, including doctors, teachers, carpenters and managers, were imported to meet new manpower needs.



TOTAL CIVILIAN LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT  
ON GUAM: 1974-1977

I MUMIRUN MANMA' EMPLEEA YAN TI MANMA' EMPLEEA DESDE 1974 ASTA 1977



Source: Bureau of Labor Statistics, Department of Labor, and Bureau of Planning, Government of Guam

#### THE LOCAL LABOR FORCE CURRENTLY DOES NOT POSSESS THE SKILLS NECESSARY TO MEET ALL ISLAND NEEDS.

*Na'lamaolek i sisteman marikohin, ma'analisan yan madistribuyin enfotmasion yan faktu pot i hotnat.*

*Na'guaha empeñu yan supottasian para i taotao i isla ni manmalago' manhalom gi industrian konstraksion.*

*Fa'tinas programman empleo gi duranten bakasion eskuela ni muna' guaguaha lamegai siha na aktibidat.*

*Na'siguru na todú i programman mama'na'gue gi empleao na banda u mana'guaha akademiku siha na programma ni u na' la'tadong hinasso-ña i taotao sigun i interes-ña.*

Improve the systematic collection, analysis and dissemination of manpower statistics.

110 Provide incentives and support for local residents who wish to enter the construction industry.

Develop summer employment programs to provide a broader range of activities.

Ensure that all vocational training programs include academic programs that broaden a trainee's background in his area of interest.

*GI PRISENTE, TI HA MANTIENTIENE I HOTNAT I ISLA I TININGO' NI PARA U NA'SATISFECHO TODU I NESISIDAT I ISLA.*

The expansion of military construction activities and the growth in civilian industries have created numerous jobs which the local labor force cannot fill. A relatively unlimited supply of workers from nearby countries is available, and has been used, particularly in the construction industry.

Although there has been a continuing dialogue on the need to train local workers to fill available jobs, many potential wage earners, including recent school graduates, are unemployed. Training programs have been generally ineffective.

Summer employment programs have often frustrated, rather than motivated, their participants by not providing activities directly related to future employment opportunities.

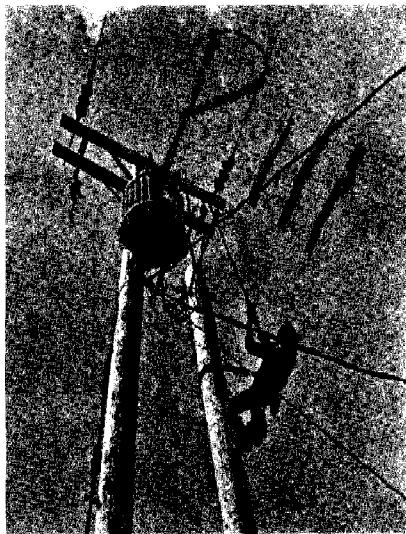
Public and private training programs do not provide the academic background to supplement actual work experience. These programs train the employees to only accomplish particular tasks without broadening the participants' perspective.

*I ma'umentan i aktibidat konstraksion gi militat yan i kinahulo' i industria-siha muña'guaha kantidan cho'cho' ni ti siña i hotnat i isla ha kubre. Guaha kalang taihinekok siha na hotnaleru gi manhihot siha na nasiyon, ya hagas manma'usa este siha, pi'ot gi industrian konstraksion.*

*Achok ha' sigi ha' manakuentusi siha i taotao na nesisariu na u mana'fankapas yan u mana'faneskuela i hotnat i isla para u fanhalom gi guaha na cho'cho' guini, meggai siha ni pusipble manmama' suetdo, kontodu ayu i paño ha' manmagradua, mannai'-che'cho'. I programma ni para u mana' fankapas i hotnalerun Guahan kalang ti manefektibu.*

*I programman empleo gi duranten i mahuchom i eskuela, mas ha na'fandisgano enlugat di u fanna'e animo i manñaosaonosa' ti mannana'e eksperensi ni direktamente siña ma'usa gi opottunitat empleo gi mamaila' na tiempo.*

*I programman mamana'gue gi gubietno yan gi san hiyong na banda ti mannana'e tiningo' akademiku ni ministet u suplika i eksperensian macho'cho'. Este siha na programma ha fana'gue' ha' i hotnat haftaimanu macho'gue' espasifik siha na cho'cho' sin ha na'la' ancho pat fedda'i tiningo' i ma'emple'a.*



*I INDUSTRIA SIHA GI SAN HIYONG NA BANDA TI SIÑA KUMOMPETENSIЯ YAN I GUBIETNO PARA I HOTNAT I ISLA.*

*I chaddek na kinahulo' Guahan gi ekonomia muna'guaha nesisidat para hotnaleru gi san hiyong yan i gubietno na banda. Lao megai siha na faktu manbinebense i taotao para u fanmacho'cho' gi gubietno. Pot este na rason, na metgot i rason-na i san hiyong na u sigi ha' manngonne' hotnalerun estranheru. Guaha esta bidaña i U.S. Department of Labor para u na'lameggai opotunidat para hotnat i isla.*

#### INDUSTRIES IN THE PRIVATE SECTOR CANNOT COMPETE WITH THE PUBLIC SECTOR FOR LOCAL EMPLOYEES.

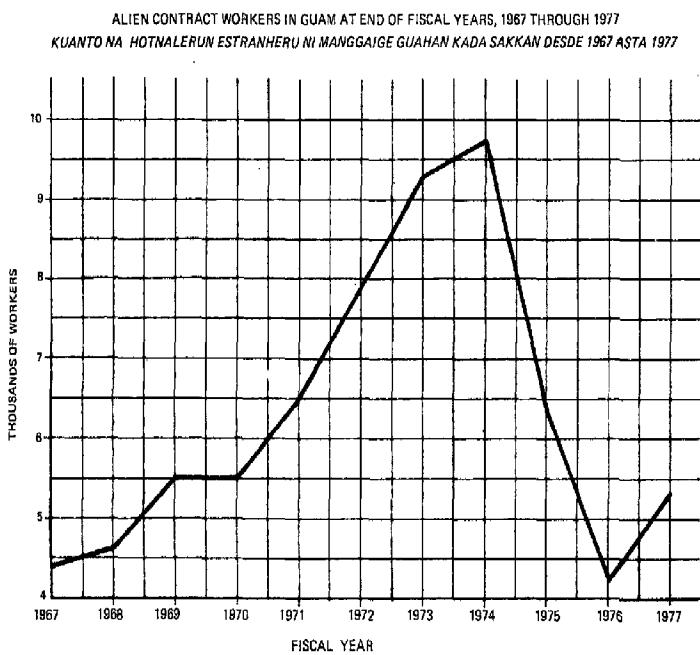
The rapid growth in Guam's economy created a demand for workers in both the public and private sectors. However, various factors have contributed to the attractiveness of employment in the public sector. As a result, the private sector has had greater justification to continue importing workers. The U.S. Department of Labor has taken action to increase employment opportunities for the local labor force.

*Supotte i programman U.S. Department of Labor para u mafana'gue i hotnat i isla para u halom gi industrian konstraksion yan para u mahatsa i suetdo siha.*

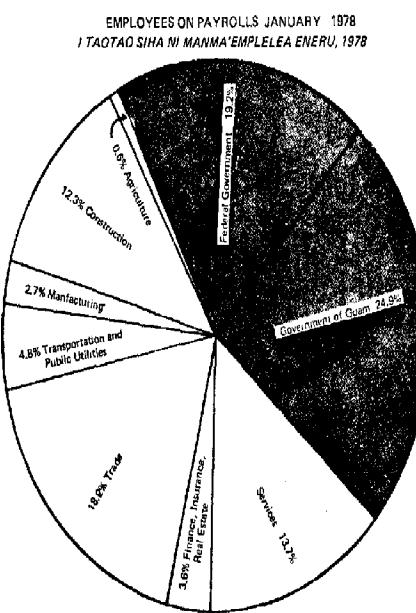
*Embestiga i pusibilidat i ma'usan i insentibon kontribusion para u binense i kompanian konstraksion ya u fanngonne'mas taotao i isla.*

Support the U.S. Department of Labor's program to train local workers for the construction industry and raise industry wages.

Investigate the use of tax incentives in encouraging construction firms to maximize the employment of local residents.



Source: U.S. Immigration and Naturalization Office



■ PUBLIC SECTOR  
Source: Bureau of Labor Statistics, Department of Labor, Government of Guam.

*Embestiga i pusibilidat na u mana'guaha programman siguridat para ayu siha i mana'-fanbasta gi che'cho'-ñiha asta ki manmañiodda' ta'lo cho'cho' para i emple'aon san hiyong na banda.*

*Supotte i maenfuetan i Occupational Safety and Health Act yan i areklamenton i ora yan suetdo.*

*Fa'nu'e i manhoben i minaolek yan i probetchon i opottunidat cho'cho' emple'aon gi san hiyong yan gubietno na banda.*

*Transfieri komu kontrata ayu siha i manma'ayek na che'cho' gubietno guatu gi kompani'an san hiyong.*

Investigate the feasibility of an unemployment insurance program within the private sector.

Support the enforcement of Occupational Safety and Health Act (OSHA) and wage and hour rules and regulations.

Introduce young people to the advantages of both private and public sector employment opportunities.

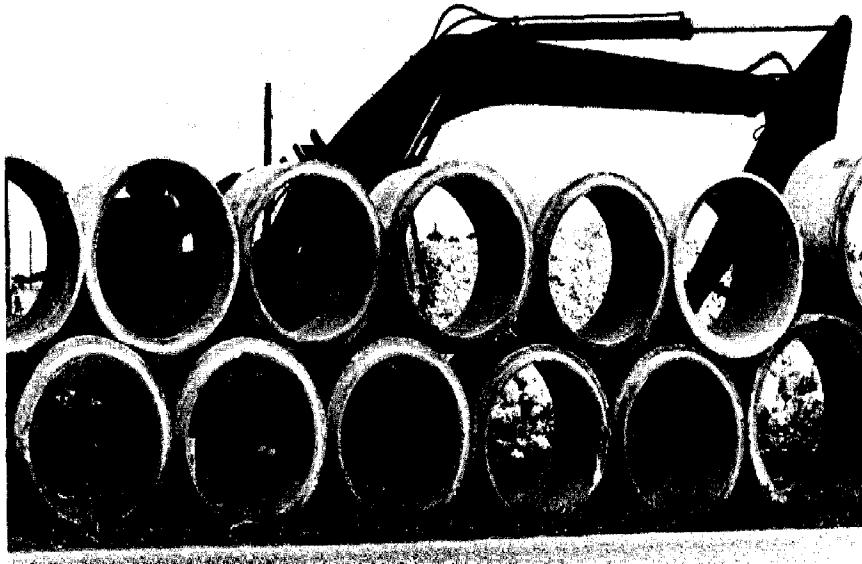
Transfer selected government activities by contract to the private sector.

The most important factor which contributes to the competitive advantage of the public sector is the perception by many residents that government employment provides greater employee benefits. Upon becoming a classified employee, job security is ensured. For most public jobs, higher salaries are offered. A higher social status is achieved since residents request assistance from public employees during, and after, working hours. Working conditions are desirable and the local government offers an attractive retirement program.

Many residents do not perceive both the advantages and disadvantages of private sector employment. A method to assist the private sector to more effectively compete with the public sector is to broaden its range of employment opportunities.

*Etmas empottante na rason na munana'e i gubietno bintaha gi emple'aon na banda i hinnengen i, residensia na meggai-ña benifisian emple'aon siña magosa gi che'cho' gubietno. Gigon ha' emple'aon gubietno, esta siguru na ti u madulalak. Gi mayoria na klassen cho'cho' gi gubietno, takhilo'-ña i suetdo ki i san hiyong. Takhilo'-ña lokkue' estao-ña i taotao gubietno gi komunitat sa' sesso manginagao ni i pupbliku ayudu duranten yan maseha despues i oran cho'cho'. Kondision i che'cho' lokkue' gof kombeniente yan ma'ofrefresi i emple'aon ni gubietno un kabales na programman ritirao.*

*Meggai na residensia ti magogos li'e' tod i minaolek yan i binaba pot ma'emplean san hiyong. Un manera annai siña ma'asiste i san hiyong para u kompiti kontra i gubietno i para u na'lameggai opottunidat gi empleao na banda.*



HOURLY WAGE RATES IN SELECTED OCCUPATIONS  
I APAS KADA ORA GI MANMA'AYEK SIHA NA CHO'CHO'  
1977

Occupation	Guam Median Wage		Hawaii Union Rate
	Construction Industry	Nonconstruction Industries	
Electrician	\$3.22	\$7.14	\$10.34
Plumber	3.20	6.15	9.80
Welder	3.16	5.50	9.80
Light Equipment and General Truck Driver	3.03	5.43	7.68
Carpenter	3.03	5.46	9.15
Painter	2.94	6.09	9.00
Boilermaker	3.84	6.96	9.73
Mechanic Automotive	3.40	4.98	5.81

Source: Department of Labor, Government of Guam



*Didide' ha' na fabrika guaha Guahan, ya meggal-ña este siha na aktibidat i food processing, manmanemprenta, manmama'tinas produkton petrot ginen laña yan manna'-dañña patten kosas siha. Este siha na fonkision man chaddek kinahulo'-ñiha gi tutuhon i '70 na sakkhan. Entre este na aktibidat siha, guaha esta man basta lao guaha mulala dankulo yan guaha pa'go ha' manmatututuhon. I taotao otro nasiun siha ni pomopo'-lo i salape'-ñiha guini na aktibidat manmafatto magi sa' fitme estao-ña Guahan gi pulitikat na banda yanggen makompara yan i otro nasiun siha giya Asia.*

The manufacturing base on Guam is small, with most activities limited to food processing, printing, oil refining and assembly operations. Manufacturing activities increased sharply in the early 1970's. Some activities have expanded and new ones begun. Off-island investment in manufacturing is attracted by Guam's political stability, relative to many Asian countries.

## RECRUITMENT OF CLEAN, LIGHT INDUSTRY IS POSSIBLE.

*Pripara lepblo para ayu siha i man interesao na kometsiante annai gaige i prisusu na entomasion kosa ki siña maditetmina i gas-ton manprodusi giya Guahan.*

*Fotma yan implementa un programma ni para u fanbinense magi nuebu na industria.*

*Tutuhon un programma ni para u fannina'e empeñu i prisme na industria para u umenta i aktibidat-ñiha.*

Prepare brochures for interested investors containing the data required for manufacturers to determine the cost of production on Guam.

Design and implement a promotion and recruitment program to attract new industry.

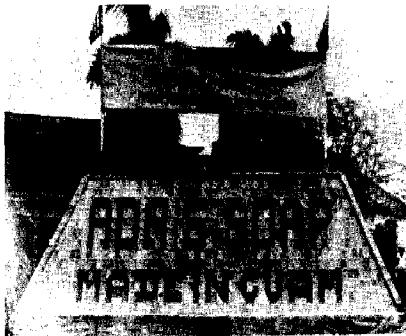
Initiate an incentives program to encourage the expansion of existing manufacturing firms.

*I ti manmakat na industria haggas manggalge Guahan ya siña ha' ma'dilanta para i mammamila na tiempo giya Guahan.*

Light industries did exist on Guam in the past and have a potential for future development.

Manufacturing potentials exist in the production of goods for regional markets, such as those required by the tourist industry. Headnote 3A of the U.S. Customs laws provides that Guam may export items duty free to the United States, where dutiable foreign materials comprise less than 50% of the value of the item.

Promotional support and more favorable incentives should be given to selected industries which would employ local workers. A formal statement of priorities would increase the ability of the government to channel investments into preferred areas.



MANUFACTURED GOODS EXPORTED TO THE UNITED STATES UNDER HEADNOTE 3(a)  
I MANMA FABRIKA NA PRODUKTO NI MA'EKSPTTA GUATU GI ESTADOS UNIDOS SIGUN GI  
HEADNOTE 3(a)

Calendar Year	Watches & Bands		Garments		Total	
	No. Firms	Value of Exports \$000	No. Firms	Value of Exports \$000	No. Firms	Value of Exports \$000
1972	6	1,569	0	0	6	1,569
1973	7	4,561	0	0	7	4,561
1974	7	4,892	4	3,553	11	8,445
1975	4	4,333	3	2,782	7	7,115
1976	5	1,270	5	1,340	10	2,610

Source: Guam Annual Economic Review 1976, Department of Commerce, Government of Guam

## MANUFACTURING FIRMS HAVE NOT BEEN CONCENTRATED IN PLANNED INDUSTRIAL PARKS.

One of the most powerful incentives Guam can offer manufacturers is good infrastructure support. Basic infrastructure needs include power, water, sewage disposal, transportation and communication facilities. Lands in Harmon and Mongmong-Toto-Maite have not been suitably developed as industrial parks.

## SIÑA MAKOMBIDA MAGI TI MANMAK-KAT YAN TI MANAPLACHA' NA INDUSTRIA.

*Guaha kapasidat-ta annai siña hit manma-tinas kosas para ta bende guini yan gi Western Pacific, tat komu manesisita na kosas ni industriari turista. Guaha areklamento ni mafanana'an Headnote 3A, gi lain i Estados Unidos, ni ha na'pusible Guahan para u fanekspotta produkto guatu Amerika sin u fanapasi kontribusion, kon kondision na i produkto ni mafa'tinas menos ki 50 pot siento mafabrika gi otro na nacion.*

*Debi di u fanmana'e supottasion yan empeñu ayu siha na industria para u na'guaha cho'cho' para i taotao i isla. Nesisariu na u huyong i gubietno ni un fotmat na deklarasion pot i mas empottante yan nesisariu na klassen industria kosa ki mulamaolek abilitat-ña i gubietno para u dirihi i man-malago' manna'halom salape'-ñiha guini na industria.*



## TI MAN DADAÑA' I GUAHA NA FABRIKA GI UN LUGAT NI MA'PLANE'A PARA ESTE NA KLASSEN AKTIBIDAT.

*Unu gi mas metgot na empeñu ni siña Guahan ha ofresi' i fabrika siha, i maolek yan sufisiente na fasilitat publiku, tat komu elektrisidat, hanom, tubon taki, chalan yan telefon. I tanó siha giya Harmon yan Mongmong-Toto-Maite ti manma gos pripa pa-ra sagan industria. Apra Harbor na lugat*

*gof maolek para ayu siha na industria ni manaya yan i aktibidat i puetto yan para fasilitat rekre'asion. Debi di u madisikna patte gi Cabras Island para ma'usa gi mana' dankulon i fasilitat elektrisidat, i sagan man dikike'na boti yan fasilitat rekre'asion. I Dry Dock Island yan i san katan na bandan Apla guaha maolek siha na lugat para ayu siha na industria ni manaya yan i puetto. Fuera di 33 areas giya Apla, 99 pot siento propiadat i Navy.*

The Apra Harbor area is ideal for port-related industry and recreational development. Parts of Cabras Island should be designated for the use and expansion of power plants as well as marinas and recreational facilities. Dry Dock Island and the eastern part of Apra Harbor contain areas ideal for port-related industry. The Navy owns over 99 percent or all but 33 acres of the Apra Harbor area.

*Establiisa i Light Industry Improvement District giya Harmon yan Mongmong-Toto-Maite para maadilanta i fasilitat publiku.*

*Tulaika i lugat annai madiskakatga i bala gi puetto.*

*Fa'tinas un programma para u mapetsigi ya u mana'mas chaddek machule' este siha na tano' federat: i Cabras Island, Dry Dock Island yan i san katan na banda gi puetton Apla, yan u ma'implementa un programma para i ma'adilanton-ñiha.*

*Mafa'sagayi i industria siha ni manmakkat, yan ayu lokkue' i ti manmakkat lao manaya yan aktibidat i puetto yan u mana'guha fasilitat para botin dikike' yan rekre'asion.*

GOVERNMENT OF GUAM TAX INCENTIVES I EMPENUN I KONTRIBUSION GI GUBIETNON GUAHAN		
Type of Venture	Type of Incentives	Length of Time
1. Agriculture 2. Watch Manufacturing 3. Other Manufacturing 4. Commercial Fishing 5. Services 6. Hotels 7. Other Tourist Facilities 8. Industrial Facilities	1. Rebate of up to 75% of all corporate income tax payable to Gov.Guam. 2. Rebate of up to 75% of income tax on dividends. 3. Abatement on taxes levied on income derived from lease of land, building, machinery and equipment. 4. Abatement on Real Property Tax. 5. Abatement on Gross Receipts on petroleum and alcoholic beverages manufactured in Guam. OPTION: Double the time authorized by electing to enjoy only fifty percent (50%) of said rebates and/or abatements.	1. Period not to exceed twenty (20) years on Corporate Income Tax. 2. Period not to exceed five (5) years on Dividends. 3. Period up to ten (10) years on Real Property Tax. 4. Period up to ten (10) years on Lapsed Income. 5. Period up to ten (10) years on Gross Receipts Tax.

Source: Guam Economic Development Authority

NUMBER AND TYPE OF FIRMS GRANTED INCENTIVES 1967-76 Kuanto yan hata na klassen kompania manmakan i emperku 1967-1976				
Year Qualifying Certificate Granted	No. of Firms	Currently Operating	Type of Firms	
			Granted Qualifying Certificates	Currently Operating
1965	1	0	Hotels	15
1966	8	0	Garments	10
1967	6	2	Watches	5
1968	4	2	All Other	21
1969	3	1		4
1970	3	2	Total	51
1971	3	1		15
1972	10	3		
1973	9	2		
1974	0	0		
1975	0	0		
1976	3	1		
1977	1	1		
Total	51	15		

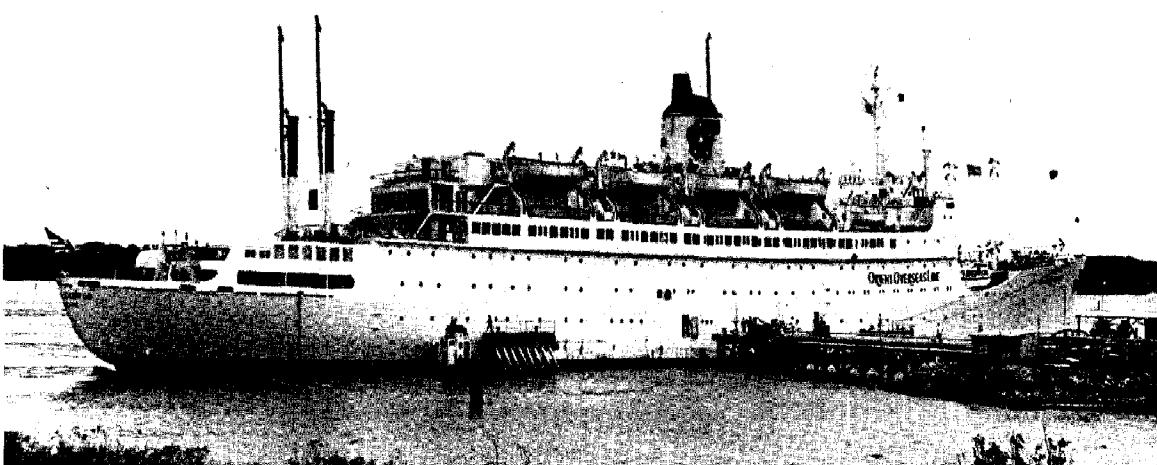
Source: Guam Economic Development Authority; Bureau of Planning, Government of Guam

Establish Light Industry Improvement Districts in the Harmon and Mongmong-Toto-Maite areas to improve basic infrastructure.

Relocate the Navy Ammunition Wharf.

Pursue an active acquisition program for the federal lands on Cabras Island, Dry Dock Island, and the eastern portions of Apra Harbor and implement a development program for the area.

Develop industrial parks in Apra Harbor for heavy and port-related light industry and develop marina-recreational activities.



THE COMMERCIAL PORT MUST BE EXPANDED TO INCREASE EFFICIENCY AND TO PROMOTE GROWTH OF TRANSSHIPMENT.

*Na'ladankulo i sagan katga gi Commercial Port.*

*Fandaña' yan i U.S. Corps of Engineers para u maguadok i kanat Piti kosa ki siña mana'dankulo i pantalan gi manmamaila' na tiempo ya u guaha lokkue' sagan lumiheng para i mandikike' na boti.*

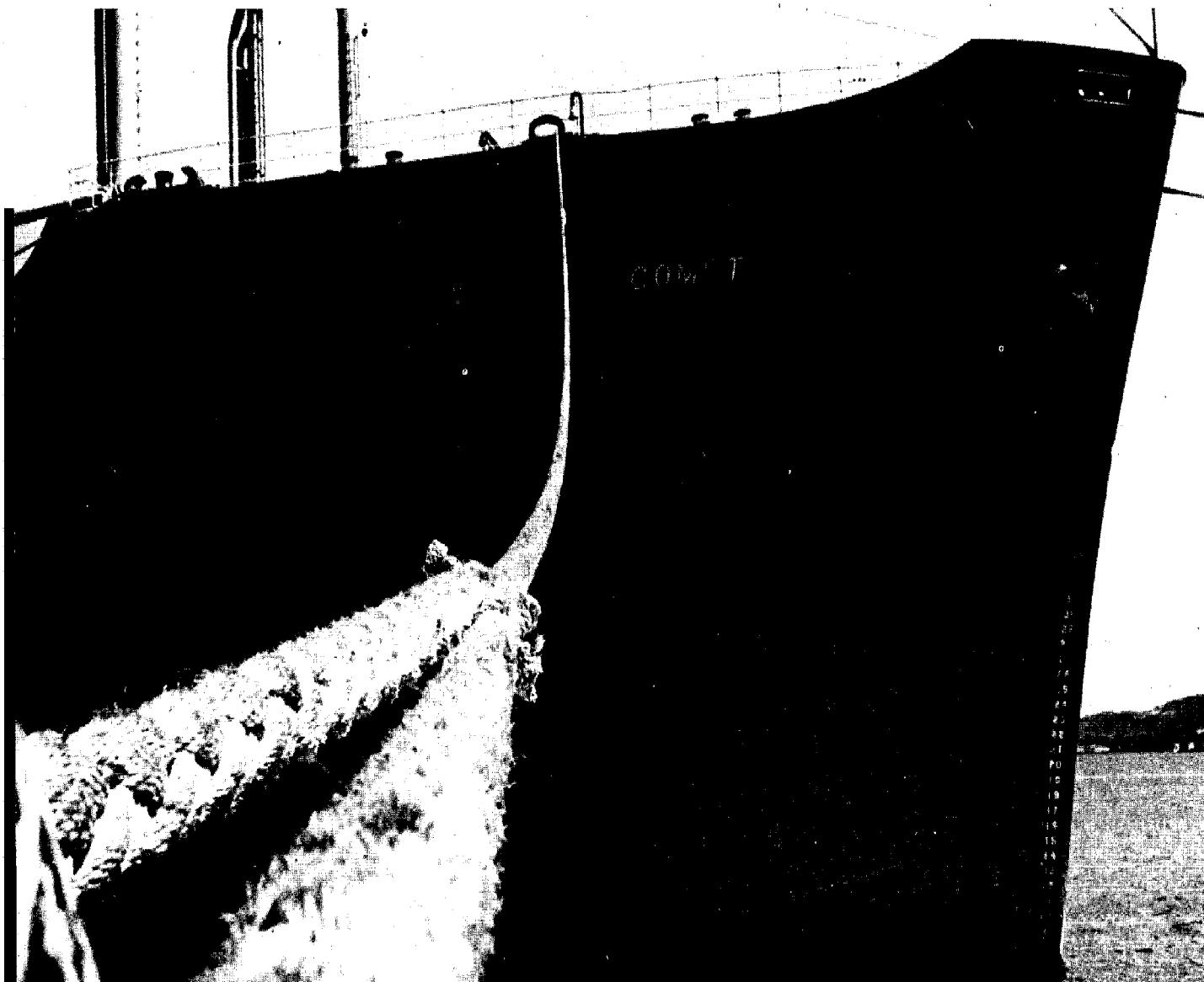
Expand the Commercial Port container yard.

Coordinate with the U.S. Army Corps of Engineers the dredging of Piti Channel for future wharf expansion and the harbor of refuge.

*I COMMERCIAL PORT DEBI DI U MANA'LADANKULO PARA U MANA'LA-MAOLEK I KAPASIDAT-ÑA YAN PARA U ATBANSA I, KINALAMTEN TRANS-SHIPMENT.*

In the past 10 years, containerized cargo has increased from 8,000 to 50,000 containers per year. Because of limited space, containers are stacked up to four high. The resulting congestion has significantly increased the operational cost for sophisticated stacking equipment, as well as requiring an average of 30 minutes for the transfer of each container to a truck. The Commercial Port needs an additional 22 acres of land immediately, with an eventual need of at least 80 acres. The outer Piti Channel must be dredged for future wharf expansion while the inner channel, with minimum dredging, could serve as an excellent harbor of refuge for small boats.

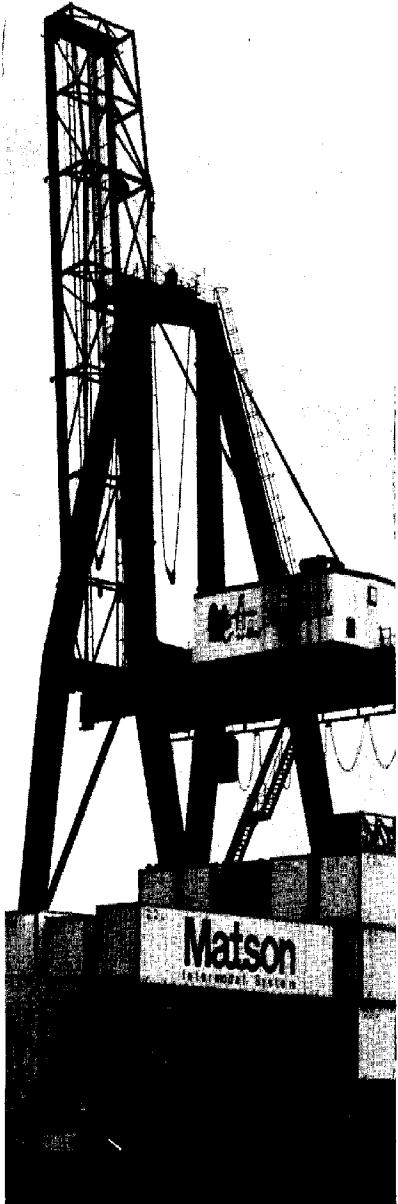
*Kumahulo' i kantidan containerized cargo desde 8 mit asta 50 mit gi sakkan gi manmaloffan na dies años na tiempo. Pot i dikike' i lugat gi puetto mana' fan a'hokse asta kuatro kahon hulo'. Pot mampos motmot i kantidan kahon, kumahulo' i gasto. Ministet lokkue' mafahan i guaguan na makinan manhatsa kahon ya tihataka' treinta minutos para matransfieri kada kahon guatu gi truck. I Commercial Port ha nesista 22 arias ensigidas, ya siempre ha nesista 80 arias mas gi manmamamaila' na tiempo. I gaige gi san hiyong Piti na kanat debi di u maguadok para mana'ladankulo i pantalan gi manmamaila' na tiempo ya i ge'halom na kanat siempre maolek para botin dikike' komu maguadok didide'.*



**GUAHAN KAPASIDAT-RA GUAHAN PARA U EKSTIENDE I AKTIBIDAT RESEARCH YAN DEVELOPMENT.**

*Guahan meggai na ahensian federat yan ti federat mumatinanayi programman Research yan Development aya para Guahan, tat komu estudian pot i lina'la' taotao, alentos, pot i tasi, agrikuttura yan i maestidian mapoksaí gága' saddok. Manesisita un otganisasion ni manñisiaha yan i Unibetsidat Guahan para u binense magi i manmatlinanayi este siha na programma ya u garantia na guaha kapas yan menhalom na taotao ni tumongo' este na cho'cho'. Este lokkue' siempre ha benifisiu i komunitat yan kontribuysi guatu gi adilanton i Unibetsidat Guahan.*

*I prisente na fasilitat yan lugat gi puetto sumen inefekta ni i maumentan i aktibidat gi puetto. The increasing activities of Guam's transshipment industry have caused a heavy strain on existing port facilities and space.*



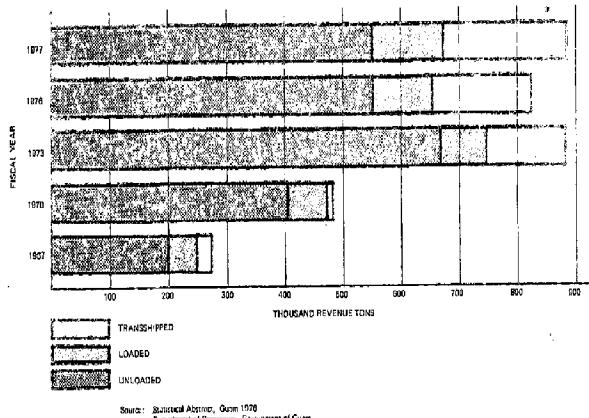
**GUAM HAS A POTENTIAL FOR EXPANDING ITS RESEARCH AND DEVELOPMENT ACTIVITIES.**

There are many federal and non-federal agencies that sponsor research and development (R&D) projects ideally suited to Guam. Potential projects include socio-cultural, energy, marine, agricultural and aquacultural research. An organization, associated with the University of Guam, is needed to attract such projects and ensure that the technical expertise is available. Research and development will benefit the community and contribute to the development of the university.

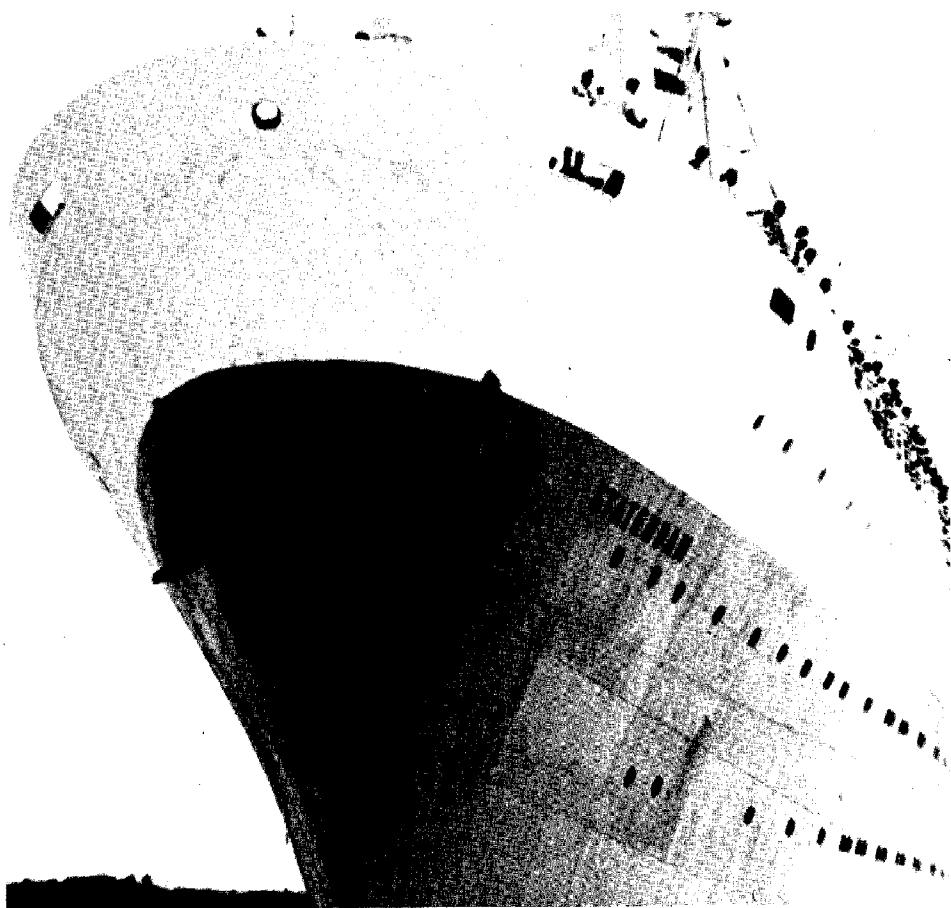
*Establiisa un koporsion para Research yan Development ni dumaña' yan i Unibetsidat Guahan.*

Establish a research corporation associated with the University of Guam.

TOTAL REVENUE CARGO, FISCAL YEARS 1967-1977  
I KANTIDAN KATSÀ, FY 1967-1977



Source: Bureau of Atimos, Guam 1978  
Department of Commerce, Government of Guam



**GUAM CAN BECOME A REGIONAL CENTER FOR U.S. CORPORATE ACTIVITY.**

*Emplementa un programma ni para u fanbinense i koporasion Amerika ya u ma'establis i ofisinan-ñiha giya Guahan.*

Implement a program for recruiting U.S. corporations to establish regional offices on Guam.

Guam is in an excellent geographical position to serve U.S. corporations with operations in the Western Pacific. Research has shown that the expense in maintaining U.S. corporate personnel in Asian capitals is high and recent tax changes are increasing these costs. A recruitment program should be initiated consisting of accurate, concise data in attractive brochures describing locational advantages.

**SÍÑA GUAHAN MANA'SENTRO NA LUGAT PARA I AKTIBIDAT KOPORASION AMERIKA GUINI NA BANDAN I PASIFI-KU.**

*Ekselente Guahan na lugat para u setbe todu i koporasion Amerika ni operasión-ñiha gi Western Pacific. Manota ni guaha na estudia na guaguan para i kompanían Amerikana para u mantieni i emple'ao-ña giya Asia ya sigi ha' este kumahulo'sa' matulailaika i areklamenton kontribusion. Debi di u matutuhon un programma ni para u fanbinense magi este siha na kompanía ginen i mana'guaha lepblo ni fumanunu'e siha hafa na bintaha guaha guini giya Guahan.*





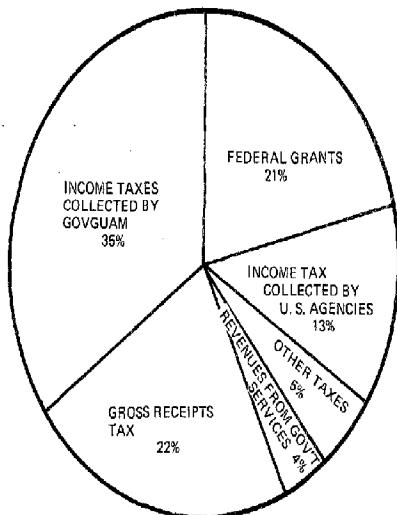
*Kahulo' i kantidan salape' i pupbliku gi tutuhan i '70 na sakkan ginen i ma'adilanton i industrian turista yan i aktibidat militat pot i gera giya Vietnam, lao tumunok ginen i achakin i ekonomia gi todū i tāno'. Entre '73 yan '76 na sakkan i numirun emple'ao gi isla yan i numirun turista tumunok kahna' ha'bente pot siento. Duranten este ha'ta'lo na tiempo, i populasiōn i militat marebaha kahna' ha' 33 pot siento.*

*Malingu i isla 15 miyon na kontribusion entre '74 asta '76 na sakkan pot i matulaikan i lain i federat pot kontribusion. I marikokohi na kontribusion gi isla tumunok desde \$119 miyon gi '75 na sakkan asta \$105 miyon gi '76 na sakkan. Yanggen para u ma'adilanta ta'lo i ekonomian Guahan, ni sinupopotte ni sufisiente na fasilitat yan setbisii pupbliku, debi di u la'fitme i hale' kontribusion.*

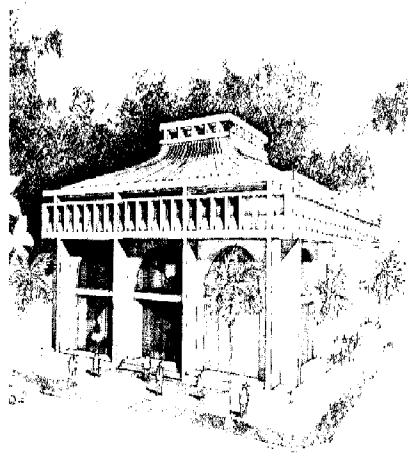
Guam's financial resources, fueled during the early 1970's through revenue generated from a growing local tourist industry and the country's military presence in Southeast Asia, were strained considerably during the worldwide economic recession. Between 1973 and 1976, the island's employment and visitor arrival figures dropped approximately 20 percent. During this same period the military population was reduced almost one-third.

Federal tax rebates resulted in a loss of \$15 million in revenue from 1974 to 1976. Local revenues declined from \$119 million in fiscal year 1975 to \$105 million in fiscal year 1976. If Guam is to return once again to an active and vital economy supported by sufficient public facilities and services, its revenue base must be strengthened.

GENERAL FUND REVENUE FISCAL YEAR 1977  
I KANTIDAN SALAPE' NI MANMARIKOHYI FY 1977



Source: Financial Statement, Fiscal Year 1977,  
Department of Administration,  
Government of Guam.



*Na' mas meggai i salape' gubietno ginen manna'lamelek manmannota yan mas meggai na animo para manmangokbla.*

*Na' funhayan mamidi todū i tano' gubietno ensigidas.*

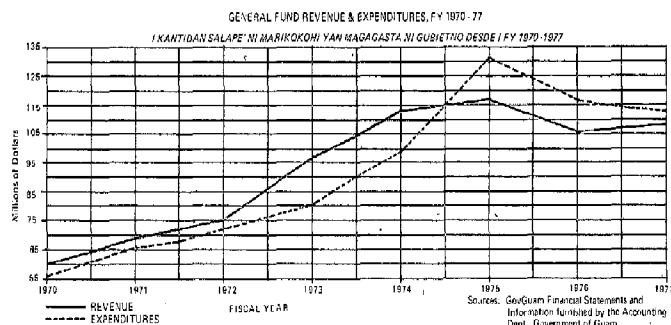
*Embestiga kao siña yan kao guaha minao-lek yanggen masubi todū klassen kontribusiōn.*

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Increase revenues through improved record-keeping and collection efforts.

Complete surveying of all government lands immediately.

Investigate the feasibility of increasing gross business receipts, income, property, and fuel tax rates.



## GOVERNMENT REVENUES MUST BE INCREASED.

Most of the government's tax revenues are derived from income, gross receipts, property and liquid fuel taxes. If desired levels of public facilities and services are to be provided, increasing rates and efficiency in collection will be necessary.

An immediate increase in revenues could result through improved administration of tax programs. The government does not have adequate data regarding overdue and collectable taxes. One study concluded that at least \$6.0 million could be added to the treasury simply through improving collection efforts. Sizable parcels of private real estate are not taxed due to poor record-keeping. Much of the public's land remains unsurveyed.

The gross business receipts tax accounts for nearly one-fourth of Guam's tax revenue. Increasing the gross business receipts tax rate from 4% to 5% would provide an additional \$6 million in revenue annually. A return to the 1973 real property tax rates would generate approximately \$20 million annually.

Federal income tax cuts have reduced Guam's revenues. The federal Omnibus Territories Act provides Guam an opportunity to supplement its revenues through an income tax surcharge of up to 10%. Implementing the 10% charge on each person's income tax bill could produce an additional \$6 million annually.

Gasoline, diesel, and aircraft fuel could be taxed at higher rates. However, any increase in these tax rates should occur only as a part of an overall revenue generating strategy.

## DEBI DI U MA'UMENTA I KANTIDAN KONTRIBUSION NI HA RIKOKOHI I GUBIETNO.

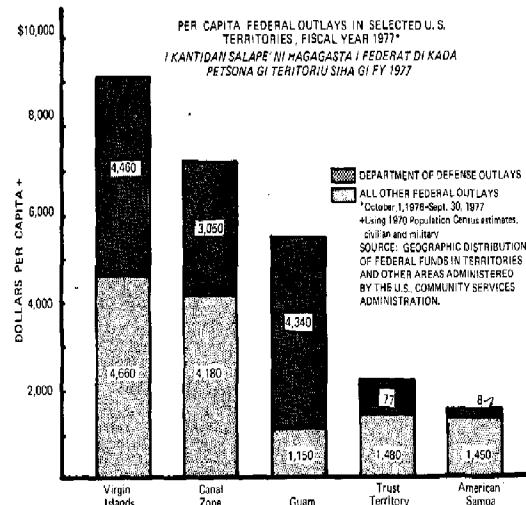
*Kahna' todū i salape' ni humahalom gi gubietno ginen i kontribusion suetdon taotao, kometsiante, propiadat yan petrot. Yanggen para maprobeniyi ni ta diseseha na estao fasilitat yan setbisu debi di u mahatsa i petsentahin kontribusion yan mana'efektibu i marekohi-ña.*

*Siña ensigidas mana'laguaha salape' pupbliku komu mana'lamaolek i mamaneha-ña i programman kontribusion. Ti suficiente i enfotmasion i gubietno nu i man dilenkuente yan i siña marikohi na kontribusion. Un estudio pot este muna' annok na sais miyon pesos siña marikohi komu guaha mas animo gi marikohin kontribusion. Guaha siha danguko na pedason tano' ni ti manma'apasisiyi ni dueño sa' manaque gi listan i gubietno. Meggai na tano' gubietno ti man mamimidi.*

*Kahna' ha' 25 pot siento gi i marikohi na kontribusion ginen i kometsiante. Siña ma'umenta sais miyon pesos gi manmarekohi na kontribusion kada sakkan yanggen mahatsa i petsentahin kontribusion kometsiante desde 4 asta 5 pot siento. Komu manta'lo hit tatto gi '73 na petsentahin kontribusion propiadat, siña marikohi 20 miyon pesos mas kada sakkan.*

*I matulaikan i lain i federat pot kontribusiōn ha rebaha i kantidān salape' pupbliku. I Federal Omnibus Territories Act ha na'e Guahan opottunidat para u suplimenta i ha rikokohi na kontribusion ginen i suetdo hulo' asta 10 pot siento ni esta ha apapasi i taotao. Komu ma'implementa este, siña marikohi 6 miyon pesos mas kada sakkan.*

*I gasolina, diso' yan gasolinan batkonaire siña lokkue' manmahatsa i kontribusion-ña-ha. Lao komu mahatsa este siha na kontribusion debi di u patte gi estratehia pot mahatsan todū i kontribusion.*



**SINA MULA'MAOLEK I SITUASION SALAPE' GUBIETNO KOMU MARIBAHIA I GASTON I GUBIETNO YAN MAUMENTA I EFEKTIBU-NA.**

Gai defekto i sistemana makuentan salape' gi gubietno. Taya eksaktu na enfotmasion pot kuanto gaston-ña i gubietno humuhuong gigon manesisita. Pot ti fitme i ekonomian Guahan, makkat makatkula kuanto mahalom yan kuanto magagasta na salape' ni gubietno pi'ot sa' taya' eksaktu na enfotmasion. Gi '74, '75 yan '76 na sakkan siha, menos humalom na salape' ki makatkula.

Esta matutuhon un estudio para u tulaika i sistemana makuentan salape'. Entre mas māusa ayu i Electronic data processing mas siña guaha eksaktu na enfotmasion gigon manesisita. Lao, debi di u mana'asentadu i maneran makuentan salape' yan marikohin enfotmasion osino tai bali i ma'usa-ña i electronic data processing.

Nesisariu na u mas mamaneha i gaston i ahensian gubietno siha espesiatamente duran ten i tiempo annai tumutunok i salape' i pubbliku. Debi di u mādilanta i abiliitat i gubietno para u rikoknisa este na klassen situasion ya u tungo' hafa manesisita na aksion.

Nesisita mādilanta i enfotmasion pot i manmahahasta na fasilitat pupbliku. Yanggen para ta tungo kuanto na salape' magagasta pa'go, debi di ta estudia i enfotmasion ginen i ahensia ni responsapble pot ayu na fasilitat yan i Department of Administration. Meggai biah, ti u maya' i dos na hale enfotmasion. I mapraktitika pa'go, ni manonota i hagas na fasilitat gi Financial Statement, ha na'guaguaha mas problema sa' kalang mas gaston-ña i gubietno ki magahit ha gagasta.

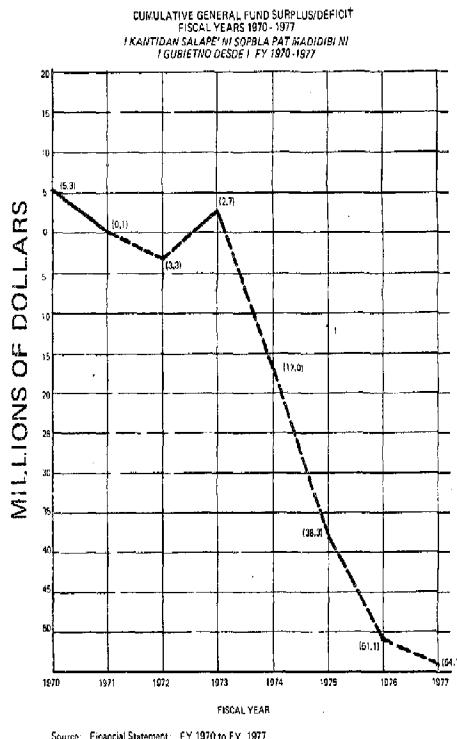
#### REDUCED OPERATIONAL COSTS AND INCREASED EFFICIENCY CAN SIGNIFICANTLY IMPROVE THE GOVERNMENT'S FINANCIAL SITUATION.

Deficiencies in the government's accounting system are widespread. Accurate and timely data on expenditures are not available. Accurate revenue and expenditure forecasting, difficult in as volatile an economy as Guam's, is further hampered by inadequate financial information. Revenues were substantially over-estimated in 1974, 1975 and 1976.

A fiscal management study has been initiated to revise the current accounting system. Increased use of electronic data processing will aid in the provision of more timely data. However, basic accounting and data collection procedures must also be improved in order to avoid simply obtaining inaccurate information more quickly.

Greater control over agency expenditures is needed, especially during revenue shortfalls. The ability to recognize and respond to such revenue shortfalls must be improved as well.

The government's capital improvement records need improvement. To obtain an estimate of current capital improvement project expenditures, both agency and central accounting records must be carefully examined. In many cases, these records differ. The current practice of carrying discontinued projects on the financial statements creates unnecessary confusion and tends to overstate capital improvement expenditures and General Fund deficits.



Adilanta i manera annai makatkukula kuanto na salape' para marikohi yan para magasta.

Fa'tinas di nuebu i estrokturan i sistema ni para makuentan salape' kosa ki siña mana'guaha dinanche na enfotmasion gigon manesisita.

Estabilisa un sistema para mamanehan salape' ni muna'daña' sanu na maneran budgeting yan mas fitme na sistema pot i magastan salape'.

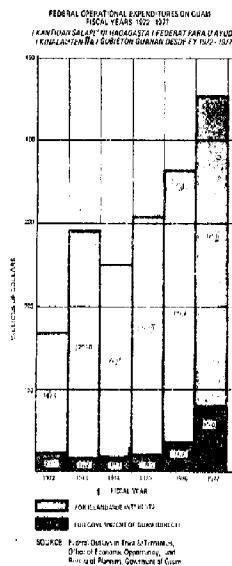
Na'guaha sistema ni ha na'pusible humuhuong eksaktu na enfotmasion pot i estao i fasilitat pupbliku.

Improve revenue and expenditure forecasting techniques.

Restructure the government accounting system to produce more accurate and timely data.

Establish a fiscal management system that incorporates sound budgeting techniques and stronger internal control over expenditures.

Provide a systematic reporting system for all government capital improvement projects.



*Na'lamaolek i kinalamten i manindépendiente na ahensian gubietno pattikulatmente ayu siha i manprodusid salape' kosa ki siña rinebaha i ayudanten i gubietno.*

*Ataha i kumahulo' i emple'ao gubietno.*

*Na'fandaña' i mana'chule'na setbisuun gubietno gi un lugat.*

*Na'fandaña' i ofisinan gubietno gi mankombeniente yan sentro siha na lugat.*

*Faisen i ahensian federat ya u na'suha ayu na areklamento ni ha gagagao Guahan para u fanlaknos salape' antes di u fanmana'e salape' i federat.*

*Fangagao dispensasion pot i dixin Guam Rehabilitation Act.*

*Operate autonomous agencies, particularly those producing income, in a more efficient manner in order to reduce the need for subsidies.*

*Restrain the growth of the government labor force.*

*Consolidate and centralize government services.*

*Centralize government offices in several key locations.*

*Request federal agencies to waive local matching fund requirements.*

*Request forgiveness of Guam Rehabilitation Act debt.*

The Government of Guam's autonomous agencies are a serious drain upon the General Fund. Most of these autonomous agencies were established with the intent that they would be self-sufficient. Since 1970, losses from these autonomous agencies have exceeded \$50 million. As of Fiscal Year 1976, at least \$103 million in General Fund subsidies had been provided such agencies. These agencies share similar problems of excessive personnel, weak debt collection, and inadequate training of middle level managers. The cost of subsidizing public utilities can be reduced through more efficient operation and the setting of service charges to cover capital as well as operating costs.

As government revenues increased from \$60 million to \$117 million between 1970 and 1975, the number of public employees jumped from 5,300 to 9,200. However, the current revenue base can no longer support such a massive government labor force. Current government offices and functions can be consolidated, especially those involving procurement, accounting data collection and processing, and maintenance.

Government offices are currently scattered, resulting in increased expense to the public and inefficiency in government operations. Greater convenience and effectiveness in providing services can result from placing complementary government agencies in existing centralized office complexes.

The Omnibus Territories Act allows federal agencies to waive requirements for provision of local matching funds. Guam could reduce demands on local revenues if federal agencies utilize this provision and increase federal assistance in place of the formerly required local match.

Approximately \$40 million remains to be paid to satisfy the post-Typhoon Karen Rehabilitation debt. In 1963, when the loans were granted, Guam expressed doubts that sufficient local revenues could be generated to repay the long-term debt. Due to the unavailability of local funds to commit towards the island's capital improvement program, the territory should not be required to repay this obligation.

*I ahensian gubietno ni siha ha' la'mon ni kinalamten-ñiha dimasiao meggai linipok-ñiñiha gi fondon i pupbliku. Meggai guini siha na ahensia manma'establiisa puedi siña ma-supotten maisa siha. Desde 1970, este siha na ahensia manmalingu mas ki 50 miyon pesos. Pot todú asta FY 76, manmalaknos kasi 103 miyon pesos gi fondon henerat para u fan ma'ayuda este siha na ahensia. Este siha na ahensia manparehu probleman-ñiha na dimasiao meggai ha emple'ao, i pedin sisteman i marikohin dibi yan i ti man kapas i man kama'gas gi che'cho'-ñiha. Siña mare-baha gaston-ña i gubietno pot este siha na ahensia komu ma'adilanta i kinalamten-ñiha yan matrasa i pupbliku ni presiu set-bisiun-ñiha sigun gi gaston-ñiha.*

*Annai kumahulo' i kantidan i salape'gubietno desde 60 miyon asta 117 miyon pesos entre 1970 asta 1975, kumahulo' lokkue' i numirun emple'ao gubietno desde 5,300 asta 9,200. Lao i fondon i kontribusion ni marikokohi pa'go, ti ha na' siña sumupotte i dimasiao meggai na emple'ao gubietno. I guaha siha na ofisinan gubietno yan fonksion siña mana'fandaña', espesiatamente ayu siha i fumafahan i nesisidat gubietno, i manmankuekuuenta máusa-ña i salape'gubietno, i marikohin enfotmasion yan i uma-adahi yan fuma'mamaolek siha i fasilitat pupbliku.*

*Pa'go, manmachalapon siha i ofisinan gubietno, ya ginan este na' kumahulo' i gaston pupbliko ya ti gef maolek kinalamten-ña. Yanggen mana'fandaña' i ahensian gubietno ni mana'chule'fonksion-ñiha gi un lugat, siña mas kombeniente, mas faset yan mas siña ha setbe i pupbliku.*

*I Omnibus Territories Act ha konsiente i ahensian federat na u na'suha ayu na areklamento ni ha gagagao Guahan na debi di u fanlaknos salape' kosa ki siña mana'e mas salape' federat. Siña i Gubietno Guahan ha rebaha i kantidan salape' ni malalaknos ginan i fondon henerat yanggen i ahensian i federat ha usa este na seksion gui na acto yan mahatsa i asistensian federat lugat ki ma'usa i fondon henerat.*

*Kahna' ha' 40 miyon pesos teteahn gi dibi'-ta pot i Typhoon Karen Rehabilitation. Annai mana'ayao Guahan gi 1963 na sakkan, ha sangan ha' i gubietno na duda gü' kao u guaha suficiente salape' i pupbliku humahalom para u ma'apasi tatto este na dibi. Pot i taya' salape' pupbliku ni siña makomiti para mahatsan fasilitat pupbliku, debi di u madispensa Guahan pot este na opbligacion.*



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I pakyun Pamela annai gaige gi hilo' Guahan annai nill'e' ni i Satellite. Satellite view of Typhoon Pamela over the Guam area.

I iran Yu'os yan i iran taotao todū i tiempo ha hahanan i genefsagan i taotao Guahan. Esta pa'go memeggai ha' na taotao ti manmaleffa yan gogof klarù ha' i eksperensian-ñiha annai ha balle hit i pakyun Karen yan Pamela. Esta pa'go ti todū i taotao manna'lo tatté ginen i sinakudin Pamela yan tí ma-mahñao na siña kuatkuet ora u fatto ta'lo otro pakyu. Mamas ha' dankulo i piligrion i ira komu mulalameggai ha' taotao yan sigi ha' ha atbansa gue' i isla-ta.

Siguru na ti siña ta na'mahñao i iran Yu'os, lao pusipble na siña ta tularki i inefektan-ña yanggen manpríparao hit. I iran taotao lokkue' siña mana'para yanggen manma-atituyi, makomplasi, yan marektuyi i areklamento siha. Este na kapitulo para u na' mas klaru kada unu guini na ira yan para u fatta rekomendasion siha ni para u riniba-ha i inefektan-ñiha gi isla.

Guam is constantly under the threat of both natural as well as man-induced disasters. The havoc caused by Typhoons Karen and Pamela is still vivid in the memories of many residents. The island has not as yet fully recovered from Typhoon Pamela and another typhoon could strike the island at any time. The potential for destruction from typhoons and earthquakes continues to increase as the population grows and the island develops.

While the occurrence of destructive natural events cannot be eliminated now or in the near future, their effects can be reduced by responsible preparedness planning. Man-induced disasters can be nearly eliminated by implementing strict enforcement and safety measures. This chapter describes these disaster threats and recommends actions to reduce their impact on the island.

**TYPHOONS SIGNIFICANTLY  
AFFECTING GUAM  
(1820 - 1876)\***

**GUAHAN SIKNIFIKANTE  
INIEFEKTA NI I PAKYU SIHA**

April	1827	November	1903
May	1847	October	1911
August	1848	November	1913
September	1853	July	1915
April	1859	March	1923
November	1860	November	1940
November	1861	August	1941
February	1864	September	1943
June	1868	November	1949
November	1870	November	1957
August	1872	November	1962
December	1876	April	1963
October	1891	May	1976
May	1900		

\* Limited to cases in which the 'Eye' or center of the typhoon passed directly over or just south of Guam (+ 60 nm) and with wind speeds of over 64 knots (74 + mph).

EARTHQUAKES IN THE MARIANAS/GUAM REGION 1902 - 1977  
(6.0 AND ABOVE IN MAGNITUDE)  
I LINAD SIHA GUHII NA BANDAN I PASIFI/KU  
(6.0 PARA HULU' NA MENETGOT, 1902 - 1977)

YEAR	MONTH	MAGNITUDE	YEAR	MONTH	MAGNITUDE
1902	September	8.10	1940	August	6.00
1905	July	7.25	1940	December	7.30
1909	December	7.40	1941	July	6.25
1912	October	7.00	1941	August	6.75
1914	November	8.10	1942	June	7.00
1918	June	6.00	1942	June	7.10
1921	February	8.25	1943	March	6.75
1924	January	8.35	1943	April	7.00
1926	July	8.25	1944	August	6.80
1925	July	6.00	1944	December	8.75
1927	July	6.00	1945	July	7.10
1928	February	8.00	1947	June	7.20
1928	December	6.00	1947	June	7.00
1929	January	6.25	1948	December	6.75
1929	March	9.75	1949	July	7.10
1929	May	8.25	1949	July	6.75
1929	November	7.20	1950	May	7.00
1929	December	6.25	1950	July	6.80
1930	January	8.25	1950	August	6.63
1930	October	7.10	1950	August	8.50
1931	January	2.20	1953	February	6.75
- 1931	September	7.10	1953	July	7.00
1931	October	6.50	1954	November	8.63
1931	November	6.25	1956	February	7.00
1932	January	6.00	1956	December	6.50
1932	February	6.00	1957	May	7.00
1932	March	8.23	1957	June	6.75
1932	March	6.75	1957	June	8.00
1932	June	8.00	1958	January	8.75
1932	November	8.00	1958	March	6.00
1932	December	8.50	1959	April	6.50
1933	May	8.25	1959	December	6.13
1933	July	8.00	1960	September	6.38
1933	November	8.00	1961	April	6.50
1934	February	6.50	1961	July	6.50
1934	October	6.50	1961	August	6.38
1934	December	6.00	1962	March	7.00
1935	July	8.00	1962	May	6.50
1935	September	7.00	1964	July	6.00
1935	October	7.10	1965	January	6.10
1935	December	6.50	1966	February	6.20
1936	March	6.00	1966	May	6.00
1936	April	6.75	1966	June	6.03
1936	October	6.75	1970	March	6.20
1936	November	6.25	1970	September	6.30
1937	May	6.25	1970	September	6.00
1937	August	8.50	1971	October	6.00
1937	September	6.25	1971	October	6.00
1939	November	8.25	1974	May	6.40
1940	January	7.30	1975	November	6.10

**THE GEOGRAPHICAL LOCATION,  
COSMOLOGICAL STRUCTURE AND  
POSSIBLY PLANNED DEVELOPMENT  
MAKES GUAM HAZARD PRONE.**

Destructive natural or man-induced events can result in damage to human life and property, and disruption of the socio-economic structure. Depending on the severity of their impact, recovery and rehabilitation can be a long and trying process.

Disaster plans must first include an identification of potential hazards. Typhoons, earthquakes and floods have the greatest potential for destruction on Guam.

Guam is located within the breeding grounds of Western Pacific typhoons. In this area, approximately 15 to 25 typhoons are born each year. Many of these pass near or directly over Guam. Between 1948-1977, approximately 80 tropical storms and typhoons have passed within 200 miles of Guam. It has been estimated that over \$1 billion in damage has been caused by these typhoons. Though typhoons are most likely to occur during the rainy season, their threat to the island is ever present.

**GOS ATREBI GUAHAN GINEN I PUSI-  
SION-RA ENTRE TODU I TANO', I MA-  
FOTIAN I ISLA YAN TI GOF IMGLEK  
I EKPLANIAN I ADILANTON I ISLA.**

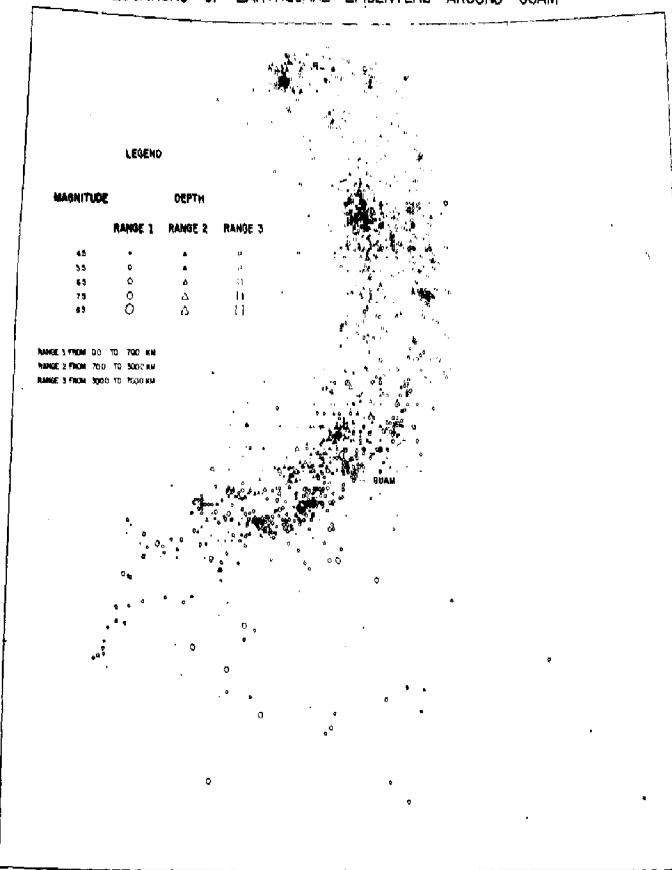
*Makeseha iran Yu'os pat iran taotao siña mamuno' taotao, ha destroza i propiadat taotao yan siña ha efekta i taotao gi sosiat yan i ekonomia na banda. Depende gi dinankulan i yinamak-ña, siña gos apmam asta ki manna'lo hit tatte gi estao-ta antes ki i ira.*

*Prensipatmente i planun ira siha debi di u ma'identifika i manatrebision. Et mas dañosu na ira para Guahan i pakyu, linao, yan milak hanom.*

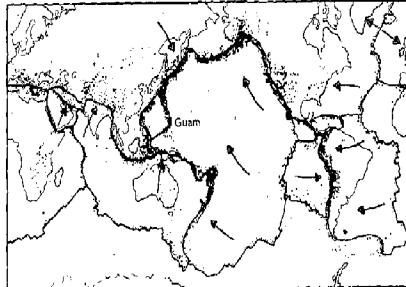
*Gaige Guahan gi halom i lugat annai mafaguguyi i pakyu. Guini na patten i tano', mafofotma 15 asta 25 na pakyu kada sakkan. Meggai guini siha mammaloffan hihot giya Guahan pat sino masakudi Guahan direktamente. Entre 1948 yan 1977 na sakkan, kahna' ha' 80 na pakyu yan hinigua mammaloffan gi halom 200 miyas giya Guahan. Makatkula na mas di un biyon pesos na destrosu masusedi ginene este siha na pakyu. Maseha meggai-ña chansa na u pakyu gi fanuchanan, todú i tiempo hinahanan ha' i isla ni este na ira.*



LOCATIONS OF EARTHQUAKE EPICENTERS AROUND GUAM



I KINALANTEN I PAPA' TANO' SIHA MAJOR TECTONIC PLATES OF THE GLOBE



Location of the major and minor Tectonic Plates and their relative movements  
Note location of Guam and pressures on its plate  
SOURCE: SCIENTIFIC AMERICAN: OCEANOGRAPHY 1971



Mayulang estroktura ginen i linao gi 1902 na sakkan.  
1902 Earthquake damaged building.

*I mafotman i tano' i isla yan i pusision-ña Guahan gi halom unu gi mas karetatibu na lugat linao gi enteriru i tano', ni mafá'na-na'an i Pacific Ring of Fire, muna'guagua-ha dankulo na chansa na u guaha destrosu ginen linao. Desde i ma'pos na siklo, guaha 16 na destrosun linao giya Guahan.*

*Gi dia unu gi Nubiembre, 1975, un linao ni marehousestra 6.1 gi Richter Scale muna'guaha nos kuantos miyon pesos na destrosu. Maseha megot-ña dies biahi ki i linao ni masusedi gi dia 27, Eneru gi 1978 ni marehousestra 5.5 gi Richter Scale, humuyong ha' lokkue' lameggai na destrosu. Sigan i manota na enfotmasion entre 1966 yan 1976 na sakkan guaha mas di 84 na linao ni marehousestra mas di 4.0, 65 ni marehousestra mas ki 5.0 yan 4 ni marehousestra mas ki 6.0 gi Richter Scale. Gi mayoria guini siha, gaige i sentro pat talo' i linao gi halom 400 miyas na distansia desde Hagatña.*

*Fi'o masusedi giya Guahan milak hanom ginen i ichan, yan i kinalamten napu yan uchan ni dumadaña' yan pakyu. Sigi ha' kumahulo' i destrosu ginen este siha na milak pot i baba maplanu-ña i adilanton tano' annai guaha mas chansa para u masusedi este na ira.*

Guam's geological structure and its location in one of the world's most active earthquake zones, known as the Pacific Ring of Fire, cause the island to be highly prone to earthquake damage. At least 16 destructive earthquakes have taken place since the 1800's.

The November 1, 1975 earthquake registered 6.1 on the Richter Scale and resulted in several million dollars of damage. Almost 10 times weaker, the January 27, 1978 earthquake, which measured 5.5 on the Richter Scale, still caused considerable damage. Recorded data indicate that between 1966 and 1976 there were 84 earthquakes above 4.0, 65 above 5.0 and at least 4 above 6.0 on the Richter Scale. The epicenter, or origin, of the vast majority of these was located within a 400 mile radius of Agana.

Flooding due to heavy rainfall, typhoon-associated rain and ocean waves is a common occurrence on the island. Damage from these floods is increasing due to poorly planned development in flood prone areas.

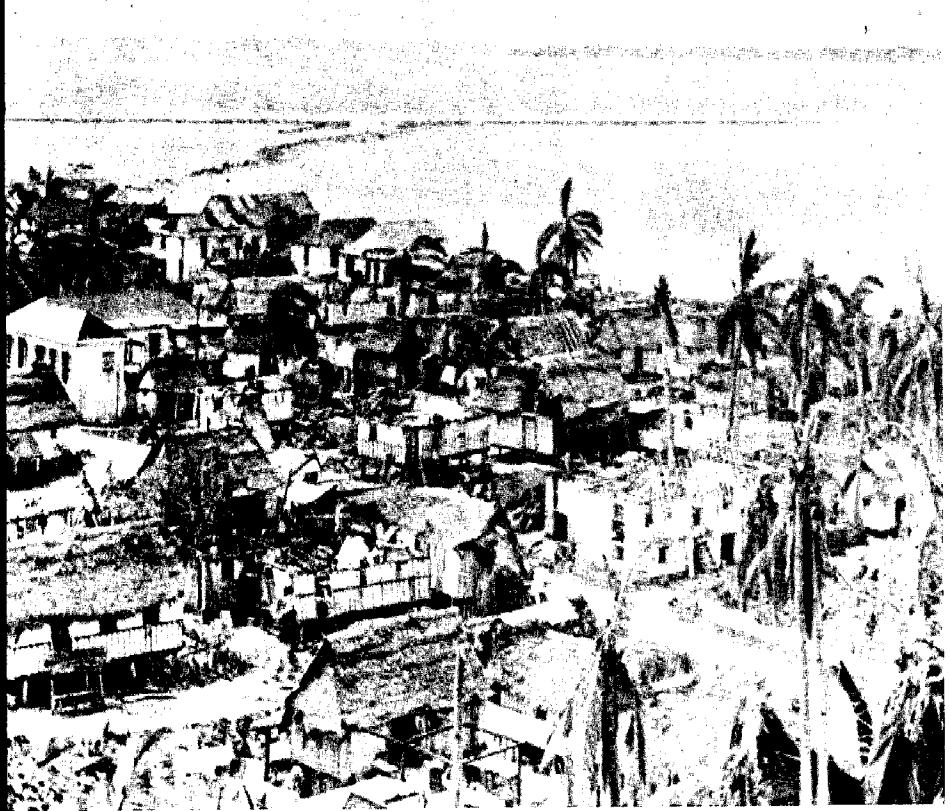
*Konsidera todū i manmakkat na piniligrū ginen i naturat na kondision yan i destrosu ni pusipble ginen este siha, gi ma'ebalua i programma yan areklamenton i planun adilanto gi gubietno yan san hiyong na banda.*

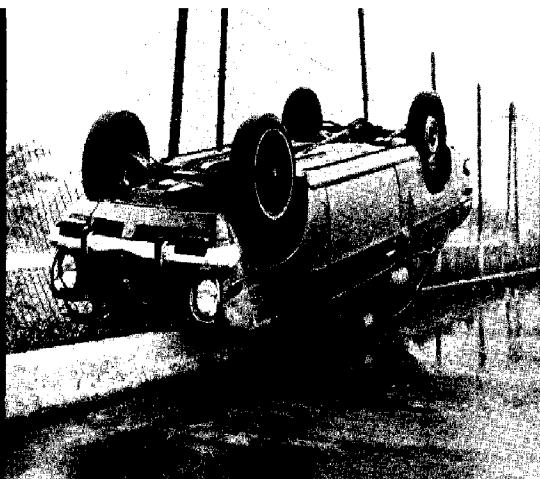
Consider all major natural hazard threats and their damage potential in assessing government and private sector development policies and programs.



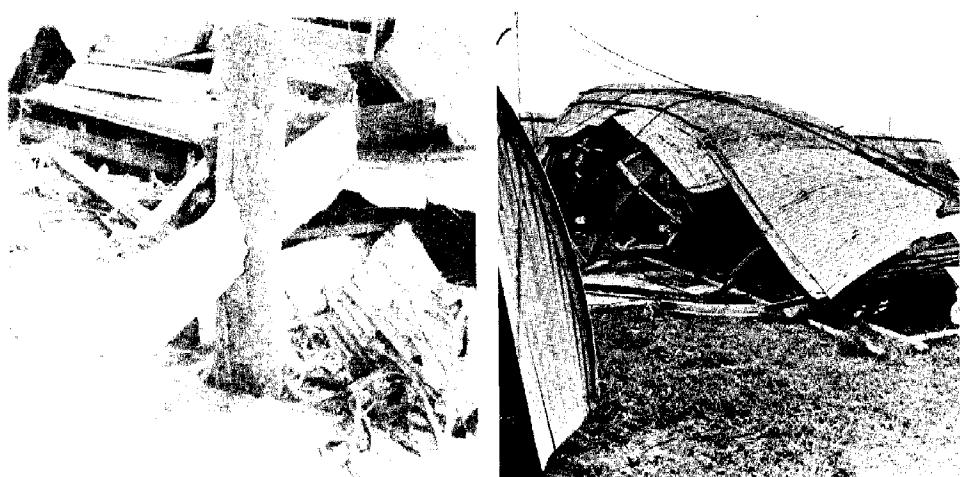
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*Poddong bente-nuebi pot gadas na uchan gi 30 horas na tiempo despues di i pakyu gi 1924 na sakkan ya humuyong serioso na milak hanom, Twenty-nine inches of rain fell in 30 hours after the 1924 typhoon causing severe flooding on Guam.*





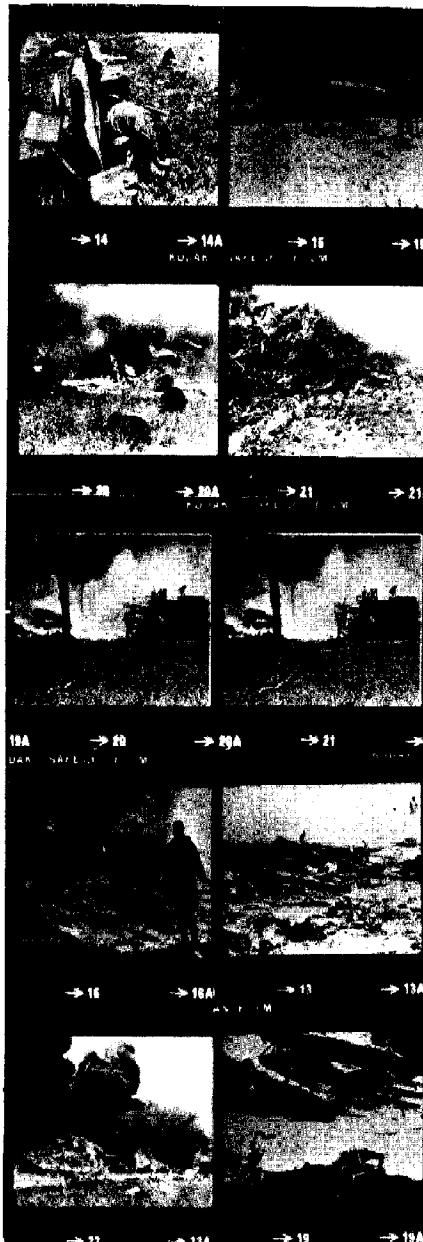
*Sesso pakyu yan linoq giya Guahan ya pot este siha na  
iran Yu'os quaha destrosu yan yinilang ni munag'-  
famadedesi i taotao yan umatbororota i ekonomia.*  
Frequent typhoons and earthquakes on Guam have  
caused repeated destruction and devastation, bringing  
misery and economic chaos in their wake.



*Richasa hinanhan gineng atrebin taotao gineng i ma'enfuetsan i mansafu na kinalamten yan areklamento.*

Reduce threats posed by man-induced hazards by enforcing safety procedures and regulations.

*Annai aksidente i batkonairen i Air Manila - 1976  
Air Manila crash, 1976*



Further hazard threats to the island are caused by man. Except in the case of global war accompanied by a nuclear attack on Guam, the impacts of most man-induced hazards are localized. The proper enforcement development restrictions can control the effects of such hazards.

Man-induced hazards usually result from the lack of adequate safety measures and are caused by mechanical failure, human error, sabotage, negligence or ignorance. Man-induced hazards can occur in the air, water, or land as a result of war or, as a direct result of the manufacturing and transportation of hazardous materials. Other potential disasters threatening the population include epidemics and large scale food poisoning stemming from pollution and careless public health practice.

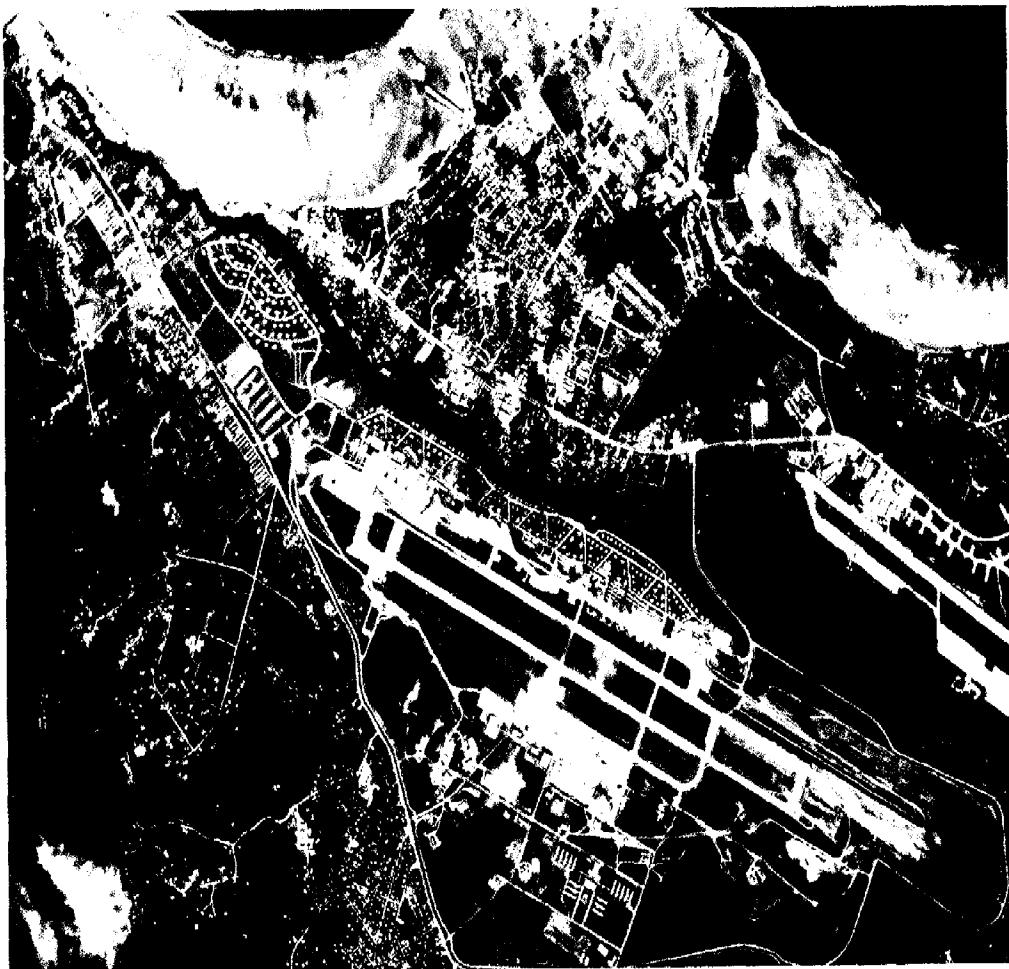
The large military presence makes Guam particularly vulnerable to enemy attack should the United States engage in a global war. Additionally, the possibility of accidents during the normal transportation and storage of radioactive material, chemicals and explosives add to the vulnerability of the island. Any accidents involving nuclear materials could have far reaching consequences on the island's population and economy. This everpresent threat should not be ignored.

*Pot mas, i taotao mas muna'atretrebi i isla-ta. Fuera ki geran todū i tano' ni dumadaña' yan inatakan nuclear giya Guahan, i inefekta piligru gineng i iran taotao ha efekta ayu ha' na lugat annai masusedi este na atrebi. Este siha na atrebi, siña manma-atahi komu mas maolek maenfuetsa i areklamento.*

*Meggai-ña gi atrebision iran taotao, sesso mafatto gineng i ti nahong mansafu, na areklamento yan humuhuyong gineng i mayulang i makina, linachen taotao, destrosu ni mahasngon, deskuidu pat che'cho' inusente. I atrebin taotao masusesedi gi aire, i hanom, pat i tano' mismo komu resuttan gera pat gineng i mafa'tinas pat manmatrapsotten i gaipiniligru na matiriat. Otro siha na ira ni humahanan i taotao ayu i peste yan mayoria na tinatse gineng i baban nenkanno' yan praktikan salut ni ti manasigurao.*

*Gof delikao i estao Guahan sa' meggai aktibidat militat guini yanggen sumaonao i Estados Unidos gi enteramente na gera. Parahu este na piniligru yan ayu i yanggen guaha aksidente duranten i matrapsotten i manpapakpak yan manpunu'on na matiriat gera. Komu guaha aksidente ni sumasaonao i matiriat nuclear siña humuyong dankulo na destrosu para i taotao tano' yan i ekonomia. Ti debi di u marichasa este na dankulon achaki.*





*YANGGEN MAKONSIGI I PRISENTE NA PADRON ADILANTO SIEMPRE MAS PUSIPBLE NA GUAHA ATREBI YAN DESTROSU.*

*Mamas pusipble i dankulo na dañu gi komunitat yan i fasilitat yanggen makonsigi i prisente na didok ma'adilanton-ña i isla. Piligrusu para Guahan i taya' areklamenton adilanto ni safu'. Sigi ha' manmanhatsa guma' yan fasilitat gi kanton tasi annai siña humalom i hanom, gi kanton saddok, yan gi hilo' matan hanom. Taya' madisikna ofisiamente komu lugat hatmiyon hanom. Taya' suficiente na areklamento pot i ma'usam i lugat pat manespasifiku na areklamento pot manhatsan guma' ni manggaige gi manha'hinatme hanom na lugat. Didide' ha' pat taya' enfotmasion ni siña ta tatiyai para mama'tinas areklamento pot i mahatsan guma' guihi na lugat i hihot gi i sais na mayot yan mas ki dos dusena na minot na chalan ka'ka' i linao.*

*I ma'usam i lugat siha ni i militat ni manhihot pat manggaige mismo gi sagan sibit muña guaguaha ma'achakin atrebi yan dumes-*

**CURRENT GROWTH PATTERNS  
CONTINUE TO INCREASE HAZARD  
RISK AND THE POTENTIAL FOR  
DAMAGE.**

Intensified development on the island continues to increase the potential for major damage to the community and its facilities. The absence of safety development guidelines is clearly dangerous for Guam. Development continues in flood zones located in coastal areas, rivers, and over groundwater sinks. Officially, there are no designated flood prone areas. There are no adequate zoning procedures or specific building code requirements for structures located within flood prone areas. Little or no information is available from which to develop building standards for areas adjacent to the six major and more than two dozen minor fault lines on the island.

Military uses of sites near or within civilian activity areas continue to increase hazard risks and discourage proper growth and land use. The location of the Navy Ammunition Wharf adjacent to the Commercial Port area is a continuing threat. Any acci-

*Emplementa areklamento pot i ma'usa-ña i tano' para u na'dimenos i dañu ginen atrebin taotao.*

Implement land-use development policies 129 and regulatory mechanisms which reduce hazard damage potentials.

*Adopta yan enfuetsa areklamenton manhatsa guma', lain manusa lugat, yan planun komunitat ni chumilong yan i ma'usan i manatredi na lugat.*

*Fuetsa na todū estroktura ni hinatsan publiku pat endibiyu'at, u mahatsa annai siña inatahi i dañun pakyu, milak hanom, linao, yan otro siha na atrebi.*

*Abiba yan su'on i Navy, Air Force yan i sibit ya mana'setbe i dos plasan batkonaire giya Andersen enlugat di sigi ha' mana'a-dankulo i Brewer Field, NAS.*

Adopt and enforce building codes, zoning laws, and community design plans which provide for compatible land uses in hazard prone areas.

Require that all structures, public and private, be constructed to avoid potential damage induced by typhoons, floods, earthquakes, and other hazards.

Encourage and facilitate Navy, Air Force and civilian use of Guam's northern airfields as an alternative to the continued expansion of Brewer Field.

dent there would result in great loss of life and could have a devastating effect on Guam's economy.

Similarly, the continued expansion of the Naval Air Station to accommodate increasing military and civilian aircraft operations is a prime example of inappropriate land-use within one of the most densely populated areas of Guam. In the past, some consideration was given to shifting all air operations to the two existing airfields at Andersen Air Force Base. A recent Navy study suggests altering flight patterns and changing land-use patterns around the Naval Air Station through purchase and redesignation of land uses in the accident potential zones. Implementation would involve the purchase of some private lands, alteration of existing land-use patterns, and greater control over residential uses in the area. However, any further development of the current airport site will continue to seriously compromise many planning, land-use, hazard and environmental considerations. Moving all or a major portion of the air operations to Northern Guam needs to be seriously addressed.

#### **HAZARD AREAS HAVE NOT BEEN DESIGNATED NOR BUILDING STANDARDS ADOPTED FOR THEM.**

Development in hazard prone areas continues because such areas have not been officially identified and the development in known hazardous areas is not governed by adequate standards which reduce hazard impacts.

On the basis of available data, it is now possible to officially designate hazard prone zones. Such designations will enable proper and effective land-use management by enforcement of appropriate controls and development regulations. As more data becomes available the designations can be improved.

*konsuesuela i aproposito na kinalamten yan ma'usan i lugat. I mapo'lōn i Navy Ammunition Wharf gi fi'on i Commercial Port hinahanan i operasion-ña. Maseha hafa na aksidente guahi siempre u huyong megga'i na finatai ya siña ha efekta didok i ekonomian Guahan.*

*Parehu, i sigi ha' máumenta i Naval Air Station para mana'setbe nu i batkonairen militat yan sibit, annok na ti gof maolek ma'usan-ña i lugat sa' guaha motmot manñasa-ga gi uriya. Esta ginen guaha konsiderasian para matransfieri todū i operasion batkonaire guatu gi Andersen Air Force Base. I et mas nuebu na ininan i Navy pot este na manera, maprupoponi para u matulaika i padron i gumupon i batkonaire yan para u fan matulaika i prisente na ma'usan i tano' gi uriyen NAS. Para ma'implementa este siempre u ginagao i manmahan propiadat, matulaika i prisente na padron uson tano' yan u magubietna mas i uson residensia gi manhilot siha na lugat. Serioso este na konsiderasian ya debi di magof konsidera i matransfieri todū pat i mayoria na patten i operasion batkonaire guatu Andersen.*

#### **TI MANMADISIKNA I MAN ATREBI NA LUGAT YAN TA'LÓ TAYA' AREKLAMENTO MANMA'ADOPTA POT I MAHATSAN GUMA' GUINI SIHA NA LUGAT**

*Sigi ha' makontinuá manmanhatsa gi manatredi siha na lugat sa' pot ti manmáiden-tifika ofisiatamente yan taya' areklamento para u gubietna i manhatsan guma' gi ayu i manmatungo' na gof atrebi siha na lugat para u rinibaha i piniligru.*

*Sigun i gaige na enfotmasion, esta siña manmadiklara ofisiatamente ayu siha i manhatrebi na lugat. Este siha na disikna muna' siña guaha propio yan efektibu na minane-ha gi ma'usan i lugat ginen i ma'enfuetsan i manaproposito na inatahi yan areklamento pot manhatsa. Este siha na disiknasian siña mas ma'adilanta komu guaha mas enfotmasion humuyong.*

*Na'guaha kabales yan kumplidu na enfotmasion pot i man gof atrebi siha na lugat para u fina'nú'e ayu siha manmanhahasso manma'mahan, manhatsa, pat manadilanta guih siha na lugat.*

*Enfotma i manggaige gi man atrebi na lugat hafa taimanu ma'alibia i piniligru ya gi mismo tiempo u machoma' i mas ma'adilantona-ña.*

*Tulaika sagan-ñiha i fasilitat pupbliku para guatu gi manna'atrebi na lugat kosa ki siña u kontinu'a sumetbe i taotao antes, durante, yan despues di i ira.*

Require full and complete disclosure of the existence of hazardous areas to those intending to purchase, use, build, or develop such areas.

Inform existing users of hazard prone areas of hazard reduction procedures while discouraging further development in the areas.

Relocate public facilities to hazard-free areas in order to continue providing services to the people before, during, and after disasters.

*TI SUFICIENTE I PRISENTE NA LAI  
YAN AREKLAMENTO PARA U NA'-  
GUAHA EFEKTIBU NA KINALAMTEN  
ENTRE I AHENSIAN GUBIETNO SIHA  
ANTES YAN DESPUES DI I IRA.*

*Nesisariu na guaha sanu yan klaru na defini-  
sion gi ligat na banda yanggen para ta fan  
pripaao fumana' i ira siha, Chinechema' i  
kinalamten i ofisinan i Civil Defense ginen  
i regulasian federat pot salape' yan i lain  
Guahan. I primet na responsabilidad i ofi-  
sinan i Civil Defense i para u pripaao i isla  
pot i gera na klassen ira pues hafa' che'  
cho'cho'ña ni ti pot otro klassen ira ka-  
lang ensidento ha'. Meggai na ahensian gu-  
bietno makuestiotiona i aturidat-fia para u  
dirihi pat u na'fandaña' todū i aksion gu-  
bietno pot ira, ya meggai na biahī ti ma-  
atende ni otro siha na ahensia. Ti kumala-  
lamten i konsilion i Civil Defense. Pot ti  
gof klaru i responsabilidad-ña yan i sesso  
matulaika i sagan-ña entre diferentes na  
dipattamento gi halom Gubietnon Guahan,  
i ofisinan Civil Defense ti magogof atende.*

CURRENT LAWS AND REGULATIONS  
ARE INADEQUATE FOR EFFECTIVE  
DISASTER RESPONSE.

A sound and clearly defined legal basis is necessary to prepare for and respond to disasters. The Guam Office of Civil Defense is handicapped by federal funding regulations and local laws. The primary responsibility of the Civil Defense office is to prepare for war-related emergencies, so most of their activities relating to peacetime emergencies are merely incidental. Its authority to direct or even coordinate inter-agency response to disasters is questioned and often disregarded by other Government of Guam agencies. Civil Defense's advisory council has not been functioning. Civil Defense's lack of credibility has been caused by its uncertain and shifting location within various departments of the Government of Guam. As a consequence, the Territory's emergency response capability has deteriorated.

*Otganisa dinuebu i prisente na ofisinan Civil  
Defense ya u huyong ofisinan setbisiu gi  
tiempon piniligru para Guahan para u re-  
sponsable ni i asunton gera yan asunton  
otro ira.*

*Adilanto i kualidat i planu, programma,  
kapasidad pot pripaao para ira yan estab-  
lisa ta'lo i konsilion atbision ira.*

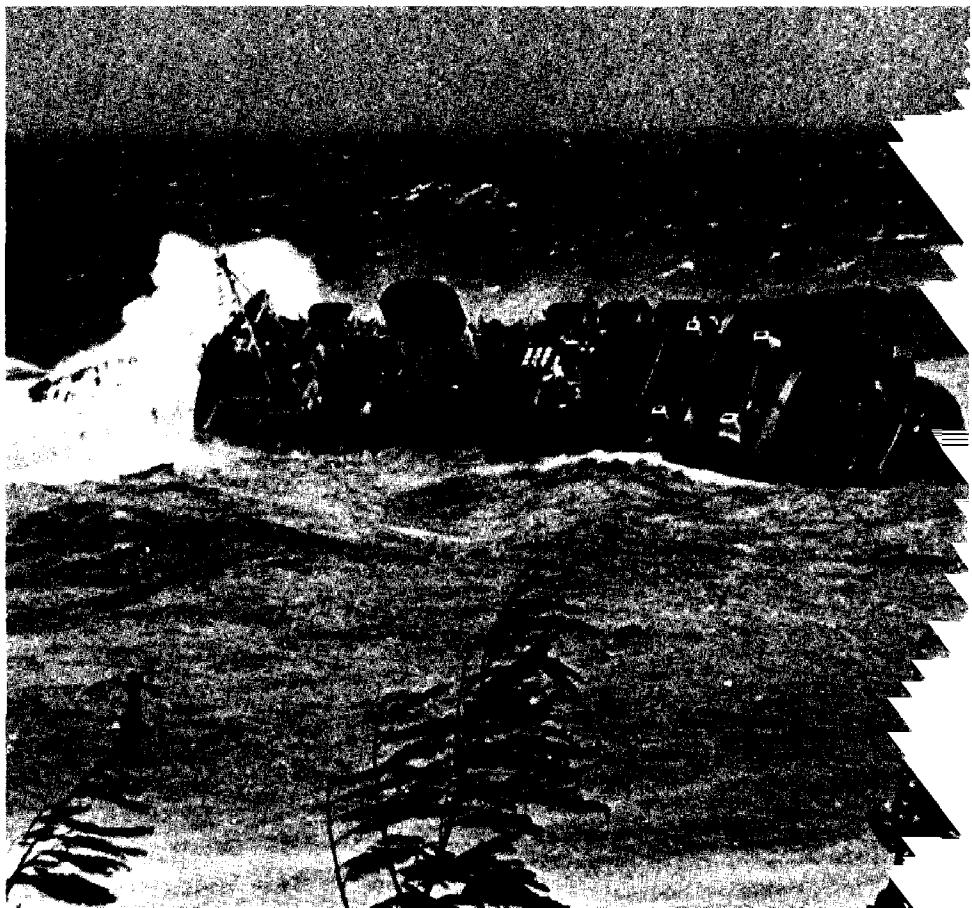
Reorganize the existing Civil Defense Office into a Guam Emergency Services Office to deal effectively with both war-related and peacetime emergencies.

Improve the quality of disaster preparedness plans, programs and capabilities by re-establishing a disaster advisory council.

*I boti siha ni manhinatsa ni Pakyun Karen giya Marine  
Drive.  
Boats grounded on Marine Drive after Typhoon Karen.*



*I mafondon i batko Caribia, dia 12 di Agosto, 1974. Sinking of the Caribia, August 12, 1974*



## THE GOVERNMENT'S UTILIZATION OF RESOURCES FOR AN EFFECTIVE DISASTER RESPONSE REMAINS INADEQUATE.

*Adopta yan enfuetsa Planun Tiempon Pini-ligru para i Teritoriu ni gumarantia na ma'usa todū i nina'-siña yan guinahan i Gubietnon Guahan yanggen guaha hinanan ira.*

*Afuetsa todū i ahensian gubietno para u mafotma planu para i operasion i ahensian-ñiha ha' yan na'guaha kóoperasion entre i ahensia siha gi mapríparan un manera ni para u dinirih i kinalamten todū i ahensia siha gi tiempon ira.*

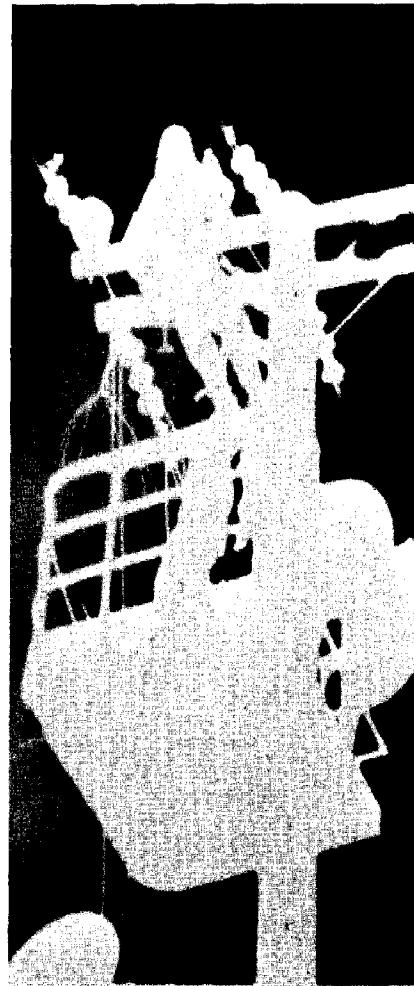
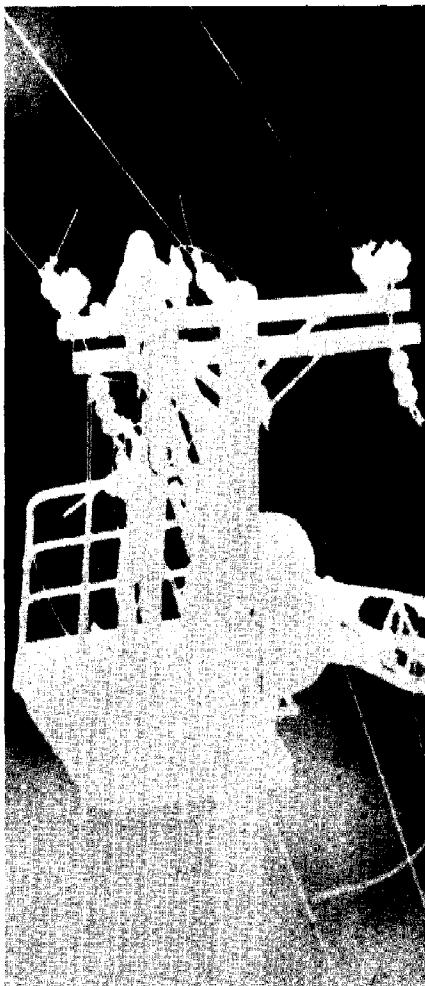
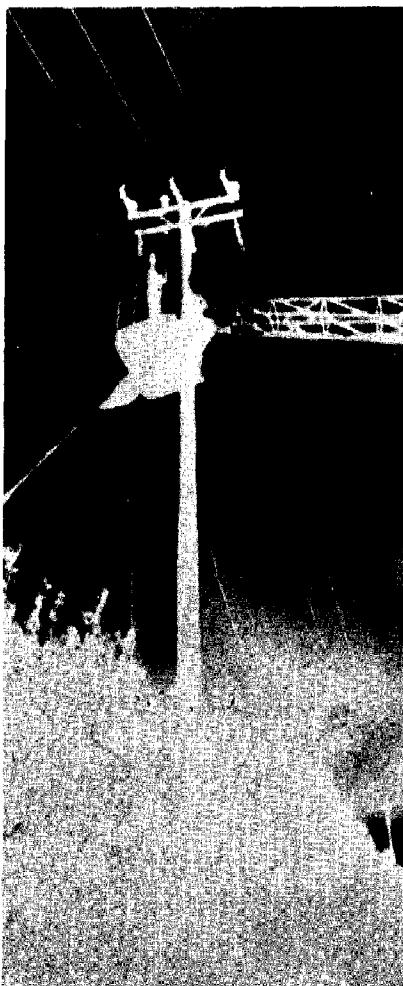
Adopt and enforce a Territorial Emergency Plan which ensures the maximum and planned utilization of the Government's available resources in responding to threats.

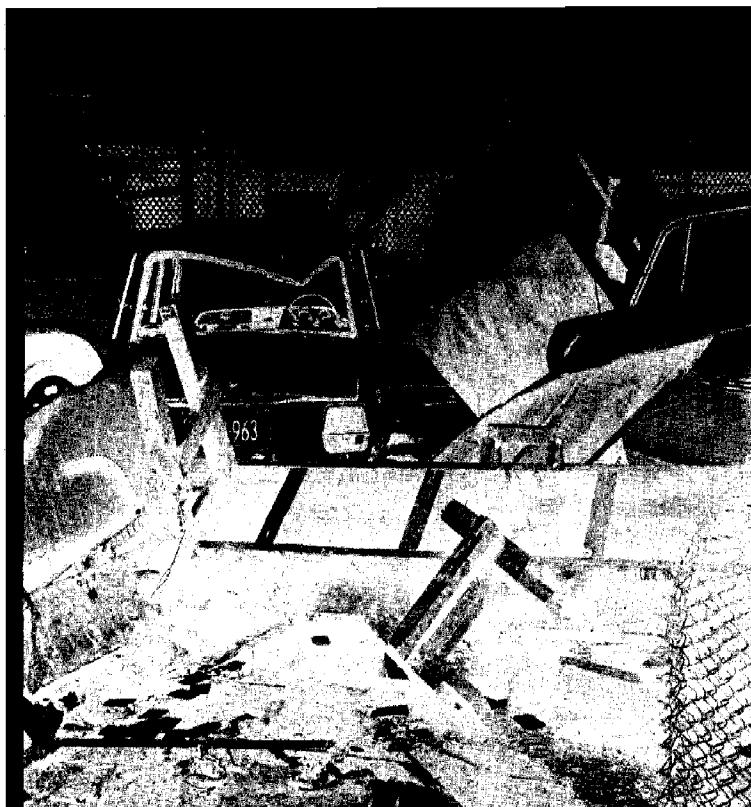
Require that all government agencies develop internal operating procedures, and coordinate their efforts in preparing inter-agency standard operating procedures for disaster response.

*I GUBIETNO TI HA GOGOF USA I GUI-NAHA-ÑA PARA U EFEKTIBU FUMANA' I IRA.*

*I kinalamten i gubietno pot ira na banda patte gi regulat na fonksion-ña. Lao mas dankulo na kinalamten manesisita gi duran-ten este siha na situasion sa' debi di u na'-guaha nenkanno', magago, liheng, setbisuun mediku, yan otro siha na asistensia para i taotao.*

*Hunggan guaha guinaha-ña i Gubietnon Guahan para siña u na'guaha efektibu na inayuda pot ira na banda. Lao, este siha na guinaha manmachalapon entre i ahensian i gubietno ginen i fonksion-ña yan maplanu-ña. Komu mandáña este siha na ahensia siña makubre i manespasíku siha na nesi-sidat yan ma'establis punto para antes, du-rante, yan despues di i mayot na ira. Para u efektibu este na dinaña', nesariu na u guaha un aturidat yan manerà ni siña ha di-rihi este na kinalamten.*





*I NUEBU NA HINATSA DESPUES DI I IRA TI RINIBABAHA I ATREBI YAN SIÑA HA EFEKTA I MANA'GUASA NA SALAPE' GI MANMAMAILA'NA TIEMPO.*

*Duranteen i manmehatsan i gima' yan otro siha na hinatsa despues di i ira, siña mohon mana' fañuha i ti manaya na ma'usan i lugat, yan ayu siha i manmehatsa gi man atrebi na sitio, yan i ti manfitme siha na estrokatura. Meggai biahi na ginen i pulitikat, i ekonomia yan otro rason siha umempidi i ma'rekla-ña este. I gubietnon federat pu-mololopu' i gaston ma'rekla i isla yan manmmana'e i taotao asistensia despues di i ira yanggen dinklara ni i Presidente na mayot na ira. Lao desde ki i pakyun Pame-la esta a'annok na i gubietnon federat ti u na'guasa salape' para manmehatsan ayu siha na minalingu ni ha ripipiti gue' kada matto i ira.*

*Debi i gubietno di u usa i manmamaila' na ira komu opotunitad para u kurihi, enlugat di u ekstienda mas i ti propio ma'usa-ña i lugat yan i ti fitme na hinatsa para u rinibaha i gaston inarekla despues di i ira. Komu guaha mas dinanche pat kabales na enfotmasion pot hafa siha guinaha-ña i gubietno siempre siña mas i ofisiat i pupbliku maditetmina i minalingun gubietno ginen i ira.*

#### **RECONSTRUCTION AFTER DISASTERS HAS NOT REDUCED DAMAGE POTENTIAL AND MAY JEOPARDIZE FUTURE FUNDING.**

During reconstruction following disasters, incompatible land use, improper siting and substandard structures could have been eliminated. Often, political, economic and other reasons have prevented such correction. The federal government has assumed the responsibility of funding disaster recovery efforts in the event of a Presidentially declared disaster. However, since Typhoon Pamela, it has become apparent that the federal government may no longer provide disaster relief for similar recurring losses after each disaster.

The Government of Guam must reduce post-disaster restoration costs by utilizing future disasters as an opportunity to correct, rather than prolong, improper land-use and substandard construction. An accurate assessment of the government's resources would enable public officials to better determine losses resulting from disasters.

*Enfuetisa na todou klassen hinatsa ni manyilang ni i ira na debi di u matattiyi i guaha na' areklamento pot manhatsa estroktura yanggen para u fan mahatsa di nuebu pat para u mafa'molek.*

*Estudiay i mana'guahan i programman asiguridat atrebi.*

*Establiisa yan sustieni kumplidu na imben-tariu pot i guinaha-ña i Gubietnon Guahan.*

Enforce strict compliance with building safety standards for repair and reconstruction of damaged structures.

Study the feasibility of instituting hazard insurance programs.

Establish and maintain a complete inventory of Government of Guam property assets.

**A LACK OF PUBLIC AWARENESS OF THE GOVERNMENT'S ROLE AND THE INDIVIDUAL'S RESPONSIBILITY BEFORE, DURING AND AFTER DISASTERS, INCREASES ADVERSE EFFECTS.**

*Na'siguru na u fanñaonao i pupbliku yanggen manplanea i gubietno para ira.*

*Gof na'e atension gi ma'plane'an para i piligru yan para mana'famanungo' i pupbliku pot pripasrasion yan hafa para u macho'gue despues di i ira.*

*Keganna' i buluntat na kooperasion i gasetta, i radio, yan television para u enfotma i pupbliku kosa ki siña mas manmanungo' yan mañaonao.*

Ensure citizen involvement in preparedness and response planning.

Emphasize preparedness as well as response in disaster planning and public awareness.

Seek the voluntary cooperation of the print and broadcast media for public service messages which raise citizen awareness and involvement.

*MAS I IRA GAI'INEFEKTA SA' I PUPBLIKU TI MATUNGO' HAFA DEBI DI U CHO'GUE I GUBIETNO YAN I RESPON-SAPBILIDAT-ÑIHA KOMU ENDIBIYU'-AT ANTES, DURANTE YAN DESPUES DI I IRA.*

*I mas di manotdinari siha na situasion ha nesista mas kooperasion entre i ofisiat guibietno yan i pupbliku, Lao, pot mas, i pupbliku ti matungo' hafa para u macho'gue ya meggai-ña na asta ki despues di i ira na manna'enfotma. Despues di kada ira manhuhuyong enku bukao, mana'champa siha na aktibidat, kumitiehen temporariu yan mannuebu na fina'lai. Este siha na che'cho' temporariu kada finakpo' ira siha debi di u para. Mas siña maprotehi i taotao yan i propiadat-ñiha komu matungo' hafa para u macho'gue ya manpripasrao antes di i ira ki i manmanana'e asistensia despues di i ira.*

*Gaf annok na i prisente na inangokko gi ayudu ni mafatto despues di i ira malakuenta taya' planun pripasrasion. A'annok gi guaha na inestudio na mas manefektibu i taotao mafana' maskeseha hafa na piniligru yanggen manmana'tungo' kon tiempo ya mañaonao gi maplane'an hafa para u macho'gue komu matto i situasion. Guaha esta instrumento giya Guahan annai siña mas mana'fanungo' yan mas mana'fañaonao i pupbliku pot i ira siha. Debi di u fan ma-usa pa'go este siha na guinaha gi efektibu yan i maplane'a na manera para u mas guaha benifisiu.*



*I ATURIDAT SIHA NI MANNANA'HUYONG POT IRA MACHALAPON YAN MANNAI'AREKLU.*

*Guaha dankulo na prinisu para u ma'establisu un sentron enfotmasion ni siña ma'angokko nu i residensian i isla. Gi mannaloffan na tiempo, i militat, i gasetta, i redio yan i ahensian gubietno manna'huyong enfotmasion ni ti manaya. I maripetin i enfotmasion gi gasetta yan redio muna'aburidu mas i publiku.*

*Siña ma'usa un areklao na sentron enfotmasion para u mäestablisu programman edukasiun para i publiku yan siña lokkue' ha na'talo tatte i konfiansan i publiku yan ha kontinuá i pattispasian i publiku.*

#### AUTHORITIES FOR PROVISION AND SOURCES OF INFORMATION ABOUT DISASTERS ARE SCATTERED AND UNCOORDINATED.

There is a desperate need to establish a co-ordinated and reliable source of information which citizens can trust. In the past, the military, the media, and Government of Guam agencies have often issued conflicting and uncoordinated statements. The island media's repetition of such information further adds to the confusion.

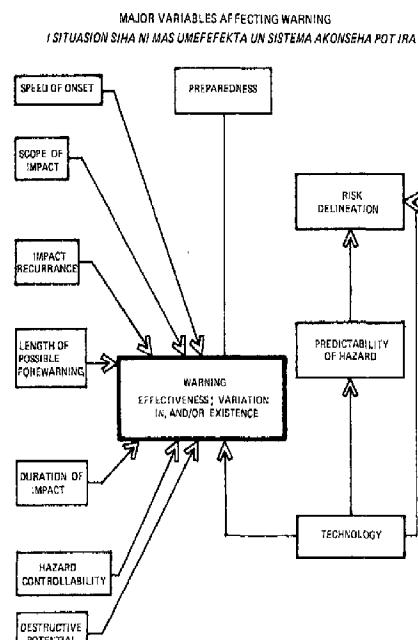
A coordinated information center can be utilized for developing and constructing public education and awareness programs and also help restore public confidence and maintain citizen involvement.

*Establisa yan abiba un angokkoyon na sentron enfotmasion ni mana'e aturidat para u na'huyong notisia ni magahit para i publiku, gasetta yan redio.*

*Na'guaha un sentro na lugat ni ayu ha' para u cho'gue para u fa'tinas yan konduktu programman edukasiun para i publiku.*

Establish and promote a reliable and co-ordinated information source with the authority to issue authentic information to citizens and the media.

Require a full time information center to develop and conduct public education and awareness programs.



Source: White & Haas, Assessment on Natural Hazards, 1975



*I ATREBIN GUAHAN GI GERA NA BANDA MUNA'MANESISITA LAMAOLEK NA PRIPARASION PARA GERA.*

*Pot i estao-ña Guahan gi sisteman defensan i Estados Unidos gaige i piniligru tod i tiempon na siña ma'ataka i isla ginen otro na nasiun. I ofisinan Civil Defense tí siña serioso ha atende este na piniligru sa' ti nahong supottasion gi salape' na banda ginen i federat yan ti suficiente i prisente na emple'a. Ti ha risisibi Guahan i magahit na patten-fla ginen i federat sa' ha supoponi i gubietnon federat na guaha state, county, yan munisipat na klassen gubietno guini. Ti ma'espíha empeñu haftaimanu siña ma'usa i tiningo' i militat guini para u ayuda hit fumana' este i piniligrun tiempon gera.*

**GUAM'S VULNERABILITY REQUIRES BETTER PREPARATION FOR ACTS OF WAR.**

The role of Guam in the national defense network and its high vulnerability to enemy attack together form a continuing threat to the island's civilian population. Guam's Office of Civil Defense lacks adequate federal funding and is not adequately staffed to seriously address this threat. Guam receives less than its share of federal funds because such funding programs assume the existence of state, county, and local governments. Guam has only one level of government. No effort has been made to utilize local military expertise dealing with wartime emergencies.

*Aligao mas asistensia gi keble na banda ginen i gubietnon federat kosa ki siña mas metgot i kapasidat-ña i Gubietnon Guahan manplane'a hafa para u cho'gue komu guaha gera.*

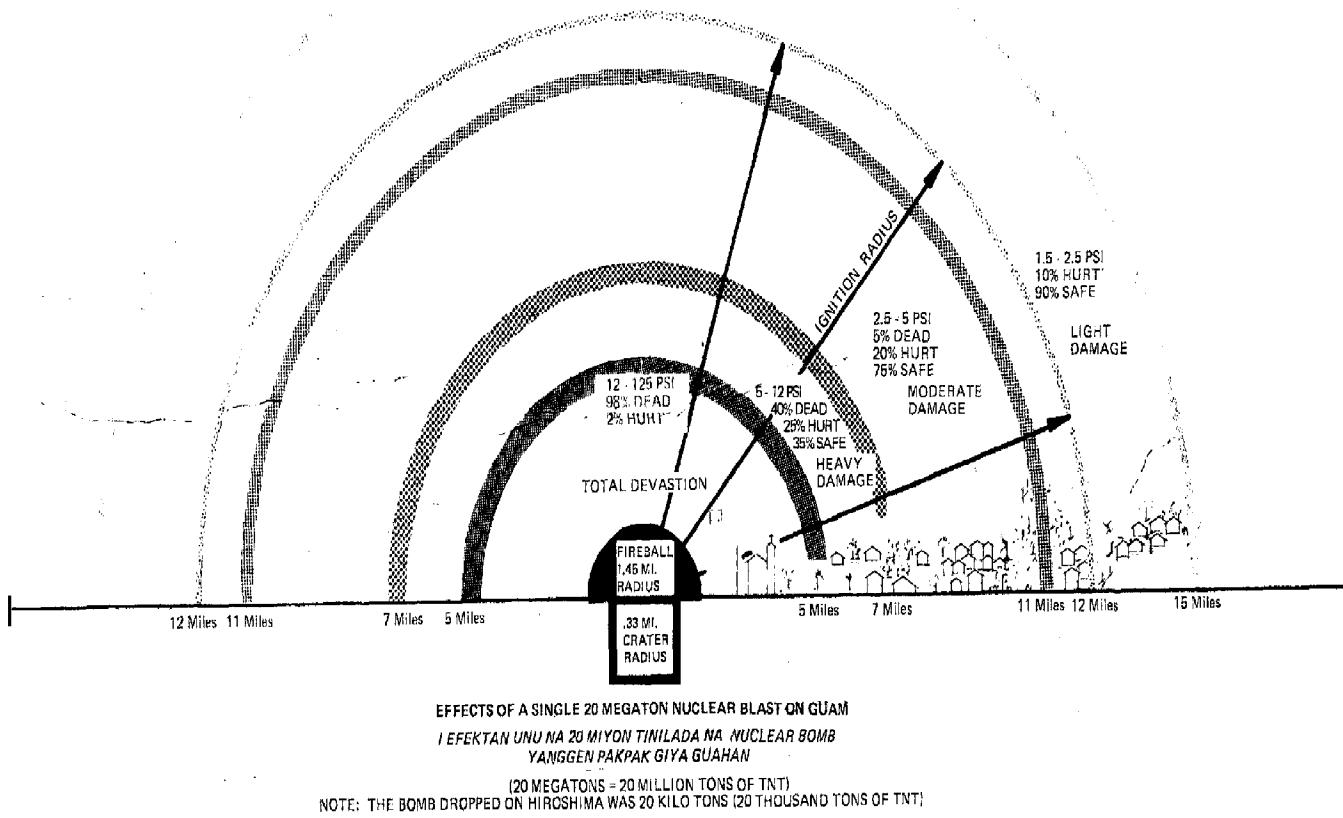
*Aligao i pattisipasion yan asistensia ginen i militat para u siña u mas fanmanungo' i pupbliku pot i piniligrun gera yan para ma-adilanto i programman Civil Defense.*

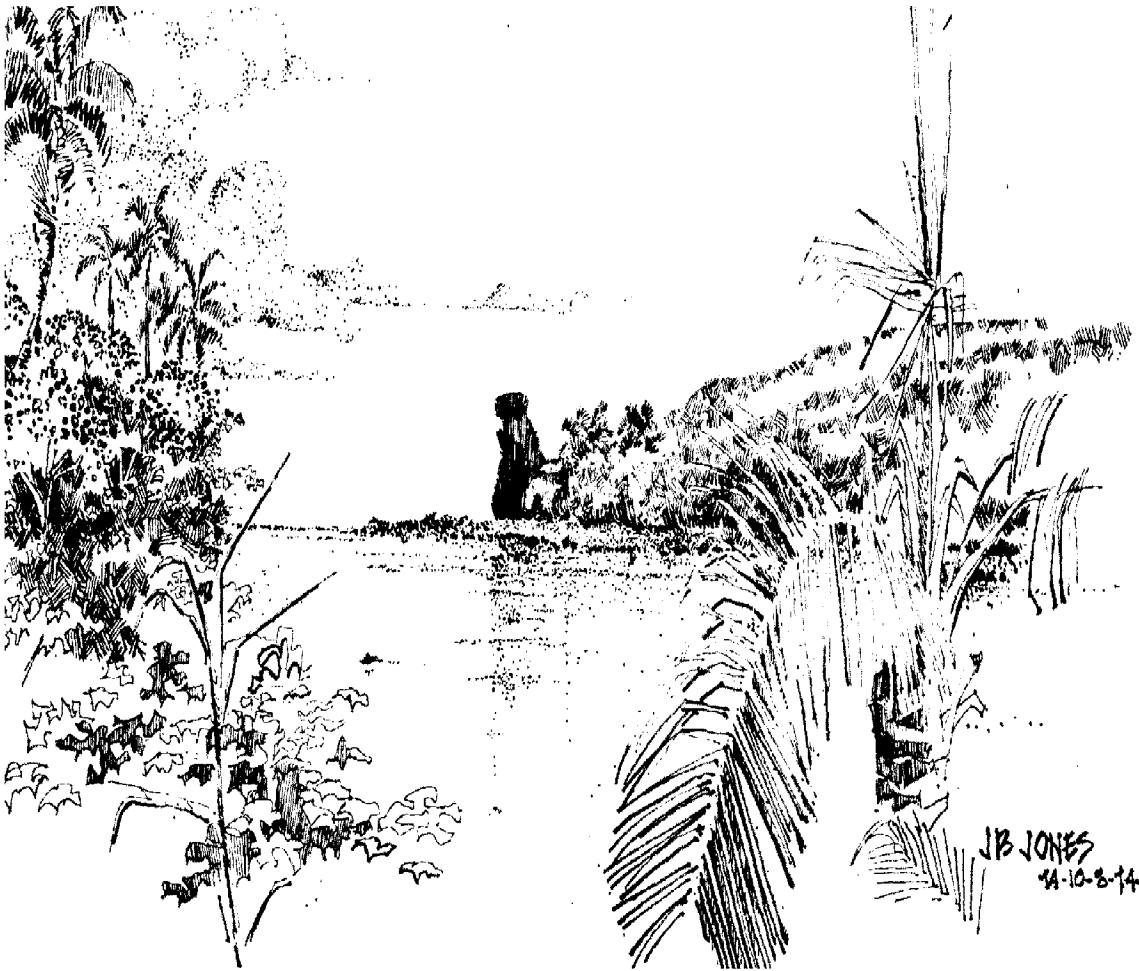
*Na'guaha programma ni siña ha na'pusible na u fanla'l'a' i taotao yan manera ni siña chaddek ma'enfotma i pupbliku yan i gubietno yanggen guaha gera, inespanta o aksidenten nuclear.*

Seek additional staff funding from the federal government to strengthen local capabilities in planning and responding to nuclear attacks or other acts of war.

Seek military participation and assistance in raising the level of citizen understanding and awareness of war threats and improvement of civil defense programs.

Ensure maximum survival in the civilian community by developing survival programs and ensuring a rapid, reliable method of warning the civilian government and population in event of war, nuclear threat, or nuclear accidents.





*Duranten i ettimo gi sisenta siha na sakkan annai i kinemprenden i taotao na i tano' komu ayu un batkonaire ni u maridonde-dea i atdao mana' tagahlo' kosa ki siña ma-li'e' na prisu na u ma'usa i guinahan i tano' gi efektibu na manera. Estaba i kinemprende na mampos dankulo yan taihinekkok i guinahan i tano' yan i tasi, lao esta malili'e' na ti taihinekkok este na guinaha.*

*Guahan, komu un isla, hafafana' i gaihinekkok na guinahan tasi yan tano' ni hafafana' lokkue' enteriru i tano'. I mineddong Guahan maseha guaha dos sientos dosse kuadra miyas ya siña ha supotte meggai-ña na kantidan taotao ki i prisente na populasion, ha prisesenta makkat na problema gi haftaimanu ma'usa, ma'rekla yan ma'adilanto i tano' para ayu siha i gumehilulu'i Guahan. Mientras mas tiempo lumalamotmot i kareta gi chalan, ya i gasolina yan otro klassen laña manlalaguaguan i presiun-ñaña ya debi di u ma'aligao otro modelon transpottasion. Madiskukuti este siha na punto guini na kapitulo pot haftaimanu ma'adilanto i guinahan i tano' yan tasi giya Guahan, i mafa'tiñas i komunidat, yan i transpottasion.*

During the late 1960's, the concept of Earth as a spaceship circling the sun was popularized to emphasize the need to effectively utilize the world's limited resources. Once thought of as vast, almost endless, frontiers, the limits of the earth's land and sea resources are becoming increasingly apparent.

Guam, as an island, is faced with the same limitations on its land and sea resources as is the world as a whole. While its 212 square miles can support a considerably greater number of people, how this land is utilized, arranged, and developed into communities presents a major challenge to the island's decision makers. As the roads become more crowded and fuel more expensive, alternative means of transportation must be developed. This chapter discusses the issues surrounding the development of Guam's land and water resources, the island's communities, and its transportation systems.

139 / Ma'usan I Tano'  
155 Planun Komunitat  
187 Transpottasion I Tano'

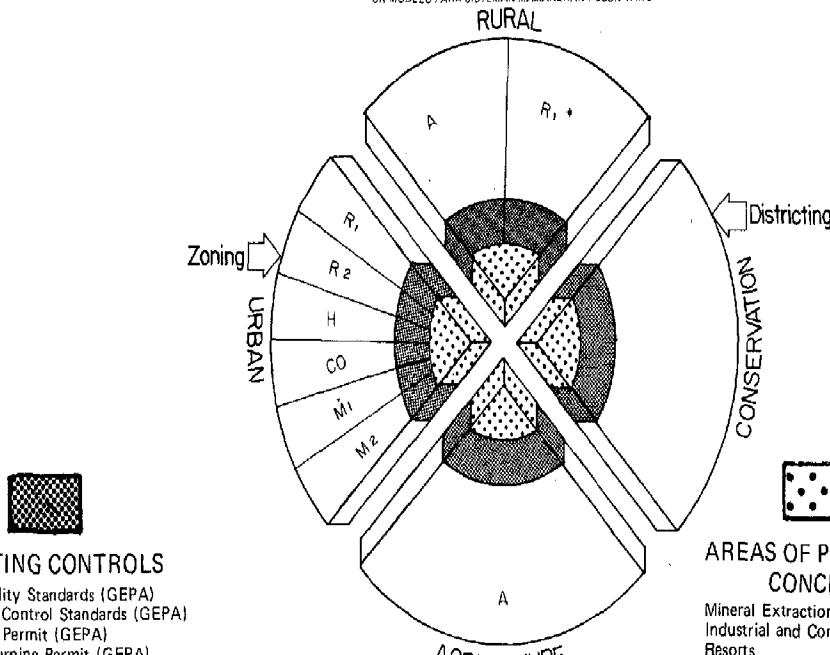


Land Use 139  
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**NOTES:**

A CONCEPTUAL MODEL OF THE LAND USE CONTROL SYSTEM  
UN MODELO PARA SISTEMAN MAMANEHAN I USON TANO'

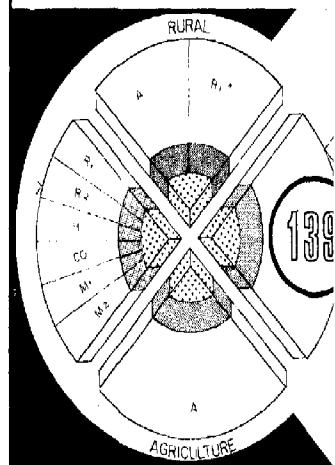


#### EXISTING CONTROLS

- Air Quality Standards (GEPA)
- Erosion Control Standards (GEPA)
- Blasting Permit (GEPA)
- Open Burning Permit (GEPA)
- Clearance for Grading and Clearing (GEPA, DPW)
- Authorization for Solid Waste Disposal (GEPA)
- Well Drilling and Operating Licenses and Permit (GEPA)
- Sewage Disposal and Connection Permits (GEPA, DPW)
- Water Quality Standards (GEPA)
- Pesticides Certification, License and Registration (GEPA)
- Building Permits (DPW)
- Land Lease (DLM)
- Agriculture Lease (DLM, Dept. of Agric.)
- Zoning Regulations (DLM, TPC, SDRC)
- Subdivision Review (DLM, SDRC)
- Seashore Protection Permit (TPC)
- Wetland Fill Permit (COE)
- Construction in Navigable Waters (COE)
- Coral Collection Permit (Div. of Aquatic and W.R.)
- Fish and Game (Div. of Aquatic and W.R.)
- Historic Preservation Law (Dept. of Parks and Rec.)
- Parks and Recreation Rules and Regulations (Dept. of Parks and Rec.)
- Fire Control Regulations (DPS, Fire Dept.)
- Public Health Standards (Public Health and Social Services)
- Submerged Lands Permit (DLM)

#### AREAS OF PARTICULAR CONCERN

- Mineral Extraction
- Industrial and Commercial Support
- Resorts
- Marinas and Boat Service Facilities
- Educational Institutions
- Sewage Disposal Sites
- Public Parks and Beaches
- Surfing Sites
- Airport Crash and Sound Zones
- Floodplains
- Slide and Erosion Zones
- Freshwater Resources
- Terrestrial Pristine Ecological Communities
- Wildlife Refuges
- Proposed Critical Habitats
- Limestone Forests
- Wetlands
- Karst Topography
- Caves and Waterfalls
- Marine Pristine Ecological Communities
- Coral Reefs
- Historic and Prehistoric Sites
- Village Recreation Areas
- Major Park Areas
- Scenic Vista
- Subdivision Development Areas



*Maseha guaha suficiente guinaha-ña Guahan gi tano' yan gi tasi para u mana' guaha mas adilanto gi ekonomian i isla, debi di u mananeha maolek yan munga na u fanmades-petdisia siha. Debi di i kantidan-ñiha yan i kualidat-ñiha este siha na minaolek u fannaditatemina yanggen para u sisihā ha' u farma'usa gi manmamaila' na sakkān. Debi lokkue' di u madisidi i chi-ña i nina'-siñan i guinaha-ta, annai para u supotte ha-fa na kinalemten gi maseha manu na lugat guini.*

While there are sufficient land and water resources available to accommodate much needed and desired growth in the island's economy, they must be managed wisely and protected from abuse. In order to assure that these resources are utilized most effectively and wisely in the years ahead both their quantity and quality must be determined. Limitations on the ability of the island's resources to support certain uses in certain areas must be respected.

### *I Adilanton I Siudat*

*Manu na mapega i mas dankulo na adilanto sesso mandinitetmina ni ayu siha i padron historia, yan manmayot na fasilitat, tat komu i chalan, elektrisidat, hanom yan tubon inaplacha'. I ma'usan i tano' para residensia, para kometsio yan industria ya ha nesista este siha i mandankulo yan manakhilo' fuet-san-niha na fasilitat, sigi ha' ma'umenta sin areklo yan manmanna' fana'khit pat mañi-siha ha' gi lugat yan i sagan huegu, pat lugat ni gof maolek para gualo' pat ayu na lugat annai mangof la'l'a pat mangof gaige i man-machalek na ga'ga'.*

*I siudat na distritu ha embrabresa ayu na lugat siha ni manggaikasidat para u supot-te ayu na adilanto tat komu para residensia, kometsio yan industria, yan kontodu i fasilitat siha ni manma'usa ni i publiku yan todu fina'plasa. Ha embrasa lokkue' ayu siha na lugat ni esta ma'usa para este na klassen kinalamten yan i siña ma'usa parehu gi manmamaila'na tiempo.*

### *Adilanton I Fina'lancho*

*I fina'lancheria na tano' Guahan sinuheheti ni adilanton yan i dumakulon i siudat. Este dumestrotrosa i imahin i fina'lancheria yan muna'huhuyong planun adilanto ni ti arek-lao yan chatpa'go. Komu para u fanmaf'a'-siudat i fina'lancheria na distritu ti u fan mapetmiti solu ki guaha fasilitat publiku taiguhi i hanom, elektrisidat yan tubon inaplacha'.*

### **Urban Development**

The location of high-intensity development has often been controlled by historical patterns or major facility or infrastructure placement, such as roads, power, water, and sewer. Residential, commercial and industrial land uses requiring high levels of support facilities continue to expand in a random pattern, mixed with recreational, prime agricultural or valuable wildlife areas.

Urban districts include those areas capable of supporting concentrated land development including residential, commercial, and industrial uses, as well as public facilities and parks. The boundaries of urban districts include lands now in urban use and those suitable for future urban growth.

### **Rural Development**

The island's rural areas are being subjected to random urban expansion which destroys their rural character and results in inefficient and poorly planned development. Future urban development within these areas should be permitted only upon the provision of necessary supporting infrastructure.

*Na' fandaña' todū i uson tano' ni manesisita kantida na fasilitat supottasion gi haloim ayu siha i manmanombra distritun siudat.*

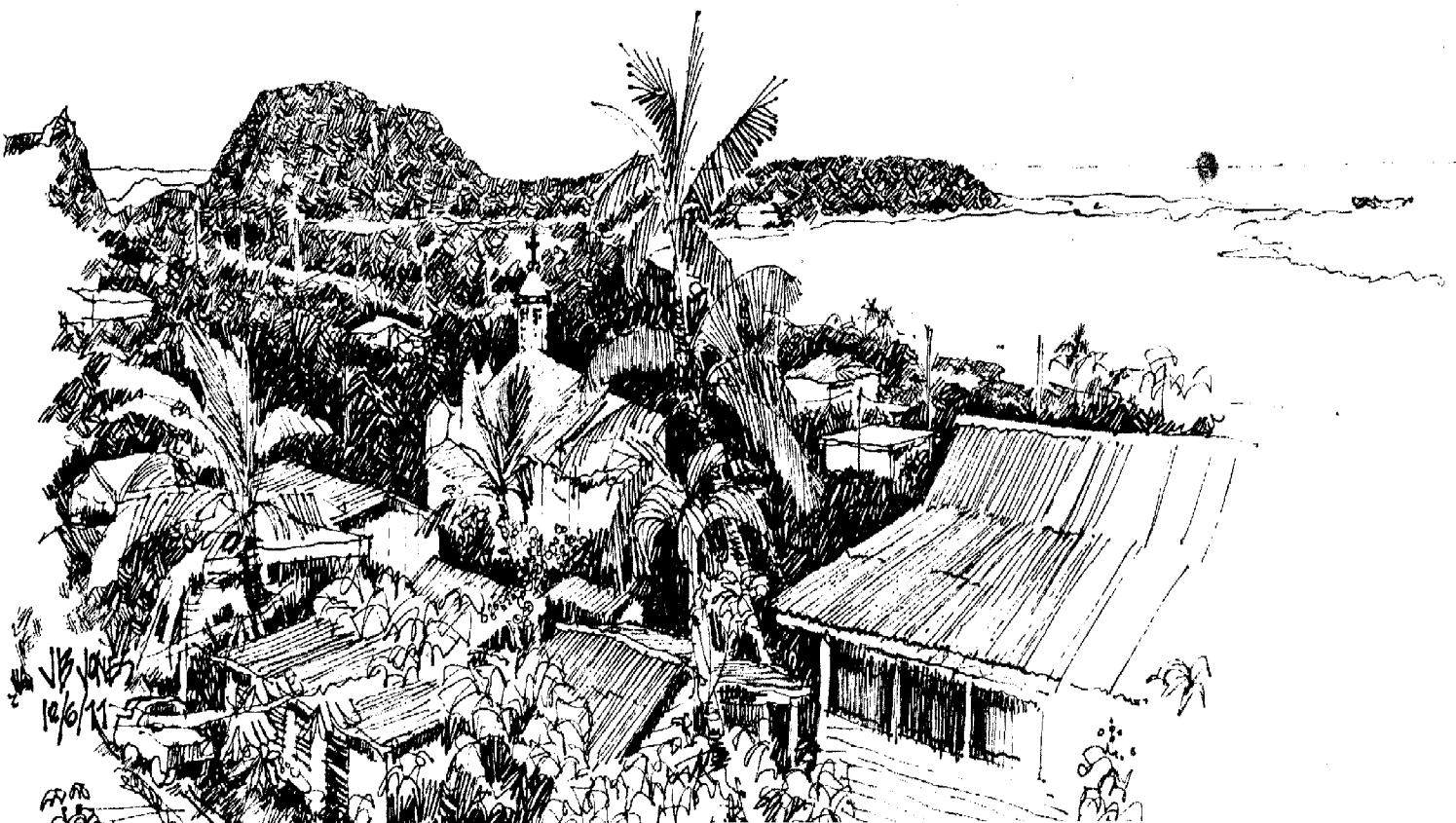
*Na'manombra komu distritun fina'lancheria ayu siha na lugat annai siña ma'aksepta i adilanton agrikuttura pat nos kuantos ha' siha na guma' para residensia.*

*Dimanda na i mas dikike' na sulat tano' gi fina'lancheria na distritu ti u menos ki media aria.*

Concentrate uses requiring high levels of support facilities within designated urban districts.

Designate rural districts in which only low-density residential, agricultural and other compatible uses will be acceptable.

Require the minimum lot size within rural districts to be one-half acre.



Rural districts are most often adjacent to urban districts. As long as a district remains rural, however, the government will not be committed to providing such improvements as roads, sewers, water, and power.

#### Agricultural Lands

Development of prime agricultural lands for other than agricultural use limits the potential for achievement of agricultural self-sufficiency. Present zoning practices often result in the division of agricultural lands into residential lots. Governmental leasing of land for agricultural use without ensuring that agricultural activities are pursued results in additional waste of valuable farmland.

Agricultural districts include those land areas that have level terrain or fertile topsoil and are best suited for activities such as field farming, livestock and poultry production. Excessive land grading, residential development and subdivision of lots or other practices which make the land less useful for farming are discouraged.

*Mantieni yan protehi i masmaolek na tano' agrikuttura para uson agrikuttura.*

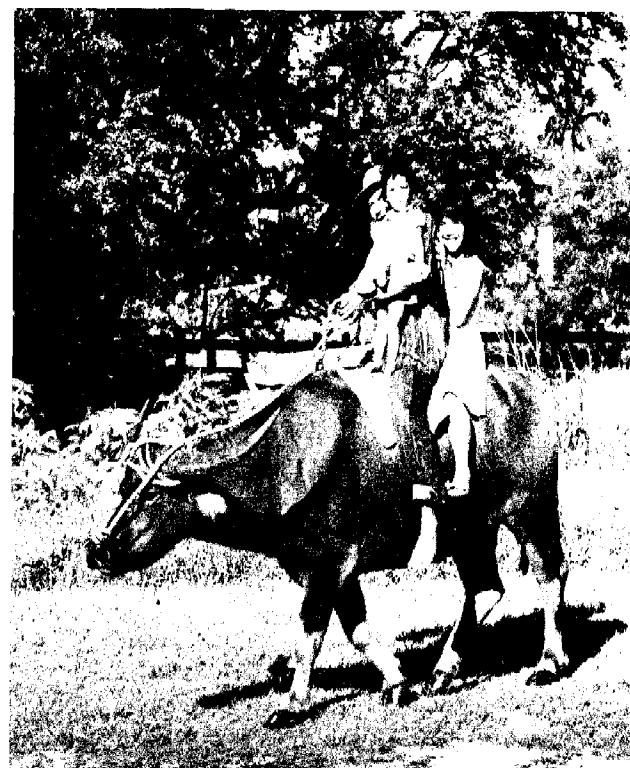
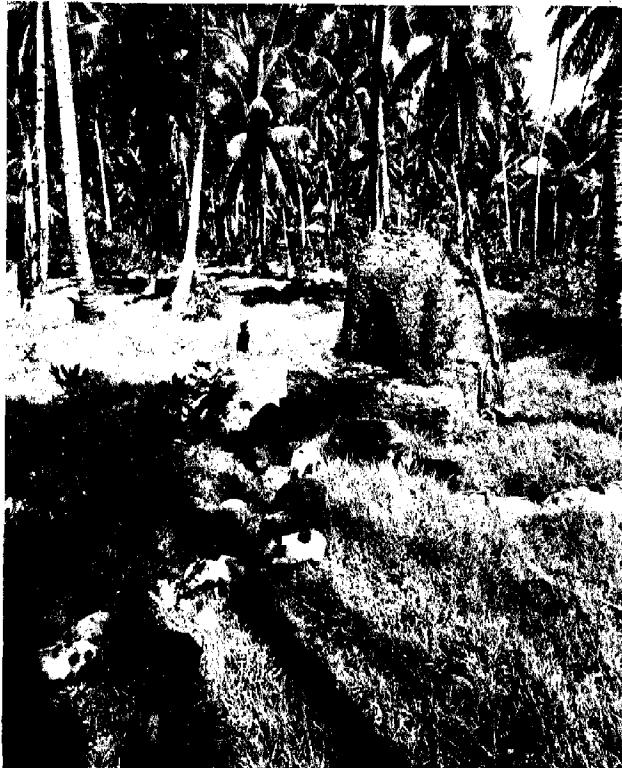
Preserve and maintain prime agricultural lands for agricultural use.

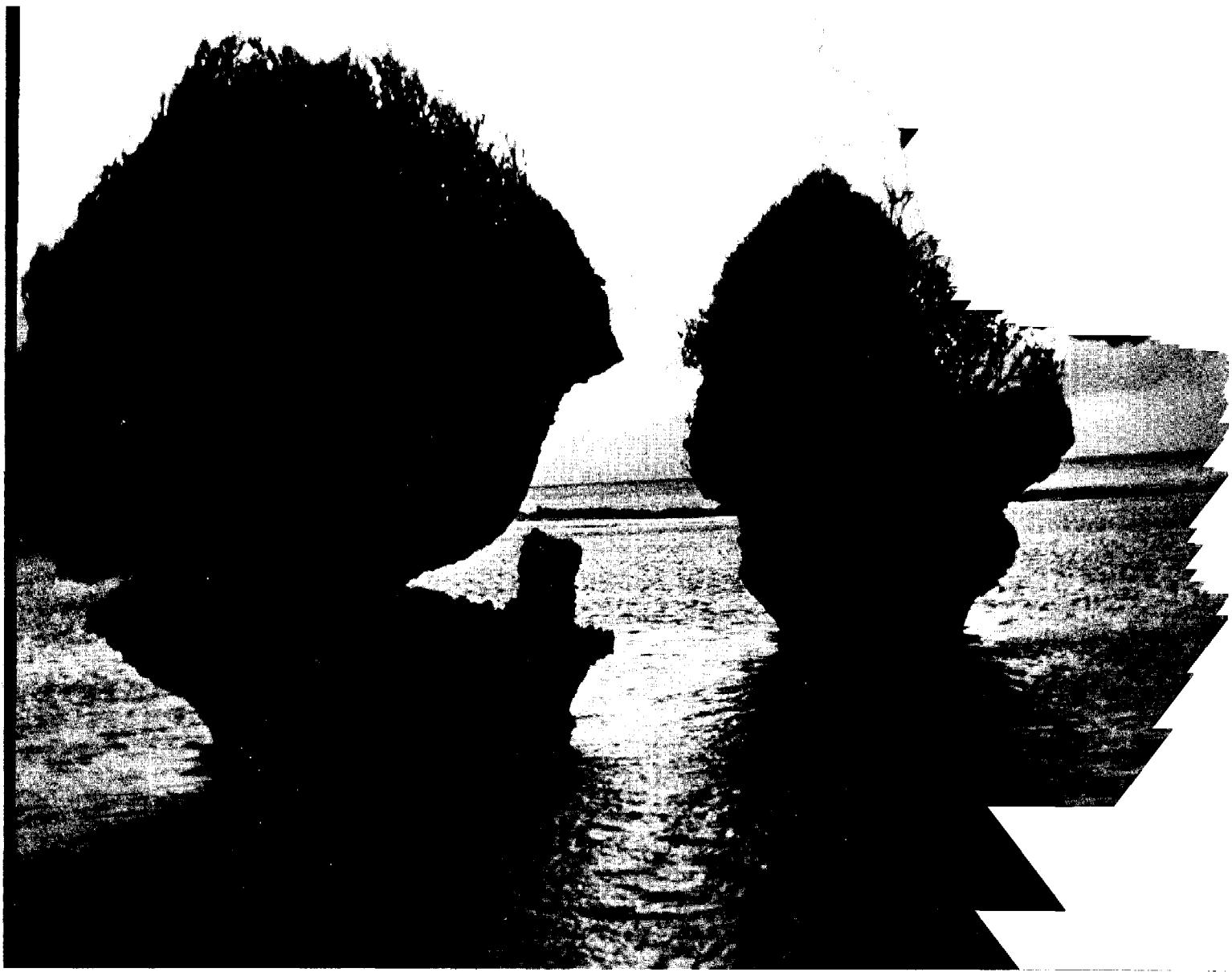
*I fina'lancheria na distritu meggai na biahi na uma'kihot yan i distritun i siudat. Mientras ha' gagaige guini na estao i distritu tai opbligasion i gubietno para u na'guaha adilanto gi chalan, elektrisidat, hanom yan tubon inaplacha'.*

#### Tano' Para Agrikuttura

*I manmaolek na tano' gualo' yanggen mausa para otro klassen adilanto, ha na' mades-minunuyi i minaolek-ña yan nina'siña-ña para u ma'usa ni' i taotao para u sustienin i isla gi agrikuttura na banda. I manmapraktitika pa'go na tiempo siña pinetmiti na i tano' ni madisikna para uson agrikuttura ma'u'usa ha' para residensia. Guihi siha gi tand' i gubietno ni' manma'arierienda para malanchuyi komu ti mana'asigrao na i u marierienda u dalalaki mo'na klaru yan gasgas i kontrata siempre mas lameggai na maolek tano' manlastima.*

*I distritun agrikuttura ha embrabrasa ayu siha na lugat annai ladankulo i lugat, ti okso, yan mi'sustansia para tinanom ya gof maolek para gumualo' yan mapoksayi ga'ga'. Debi di ti u makonsiente na u fan masufa' ya u mana'fañuha i edda' ginen este siha na lugat tat komu para residensia pat maseha hafa na cho'cho' annai para u dinesminuyi i kapasidat-ña este siha na klassen lugat.*





*Konsetbasion I Naturat Na Guinahan I Tano'  
I didide' ni mannaturat na guinahan Guan-  
han debi di u fanmagof adahi yan u fanma'-  
usa maolek puedi u gef setbe i pa'go yan i  
mammamaila' na henerasion. I naturat na  
guinaha ayu siha na halomtano' annai man-  
lala'la' i manmachalek na ga'ga' yan tina-  
nom, todū i lugat gi halom tasi yan gi ur-  
yan tasi, todū ayu na lugat ni' manma'u'-  
usa para dibetsion yan lugat annai guaha-  
matan hanom. Debi este siha na lugat di u  
fanmaprotehi yan u fanmamaneha maolek.*

*Ayu siha na distritu ni manombra para kon-  
setbasion nesisariu para maprotehi i matan  
hanom, lugat ni' gai estoria, fina' plasa siha,  
halomtano', sabana, kanton tasi, tinanom  
yan ga'ga' ni propio iyon i tano' yan cho'-  
cho' para u mahikuta i milak yan yinilang  
i tano' gineng i milalak hanom, uchan yan  
manglo'.*

#### **Conservation of Natural Resources**

The limited supply of natural resources on Guam must be carefully maintained for the benefit of present and future generations. Natural resources, including wildlife habitats, marine areas, recreational lands and sources of drinking water, must be carefully managed and protected.

Conservation districts are those areas necessary for the protection of water resources, historic sites, parklands, forests, savannahs, and beaches, native plants and animals and the prevention of erosion and floods.

*Na'manombra i distritun konsetbasion pa-  
ra : proteksion i guinahan naturat i isla.*

Protect Guam's natural resources through designation of conservation districts.

*I MANMAMAMAILA' NA ADILANTO  
POT MAYOT NA KOMETSIO, INDUS-  
TRIAT YAN FASILIDAT PUPBLIKU GI  
KANTON TASIN GUAHAN YAN LUGAT  
NI HIHOT GI PUETTO SIHA DEBI DI U  
KUBRE YAN U ABIBA TODU I MA-  
USAN TANO' NI MANAYA YAN I GUI-  
NAHAN I KANTON TASI.*

*Gof prisu na u guaha ta'lo mas atbanso gi Commercial Port yan Cabras gi fasilitat batko yan katga yan fasilitat para alentos para i ekonomian i isla. Lao maseha hafa na atbanso gi manmamaila' na tiempo u fanma'achahasso yan otro klassen atbanso siha si gun gi nina'siñan yan guinahan i lugat. I fasilitat para dibetsion yan fina'plasa ni mañisiha pat debi na u fandaña' mo'na yan i fasilitat batko yan alentos u fanma'chonnek mo'na. Todu i basula yan fina'aplacha' ginan i maprodusin i elektrisidat yan otro siha na industria debi di u fanmarebaha manu i siña para u petmiti i mas meggai yan mas takhilo' na mana'setben i lugat.*

*Guaha nahong na mineddron tano' giya Cabras para u sustieni dos ta'lo na fasilitat elektrisidat. I tano' i Guam Power Authority ha na' a'annok na nahong lugat para mas tanken laña. Yanggen para u mana'fanlamoddong este siha na fasilitat debi di u nadimenos i inaplacha guatu gi tasi yan mana'dimenos lokkue' i kuchinadas gi aire.*

*Debi di u mana'lamoddong i Commercial Port kosa ki siña manhatsa mas sagan katga, mas dankulo na makinan manhatsa katga ginan i batko, ma'ekstiente huyong i pantalan ya u marinueba i padron i transpottation. I fasilitat i dinaña' pot boti yan industria u fanmapo'lo gi otro lugat pot para u aya yan i nuebu ni maproponi na atbanso gi dibetsion yan industria na banda.*

*Ti apmam ha' na tiempo makonsidera Guahan para fanpo'luyan laña ni para Hapon. Gof empottante na u magef eksamina este na kontrata pot konsiderasian gi benifisius ekonomia yan i minaolek pat tinailayi para i tano'. U ma'estudia maolek este na konsiderasian sa'i fasilitat siña kumadada' tiempón-ña guini sa' pot i dumidide'-ña i siniplikan laña entre todú i tano'. Lokkue', guaha piniligru-ña na seankasu un dia u guaha ak-sidente annai u machuda' i laña huyong asta i hanom i tasi ya u binenuyi i lugat.*

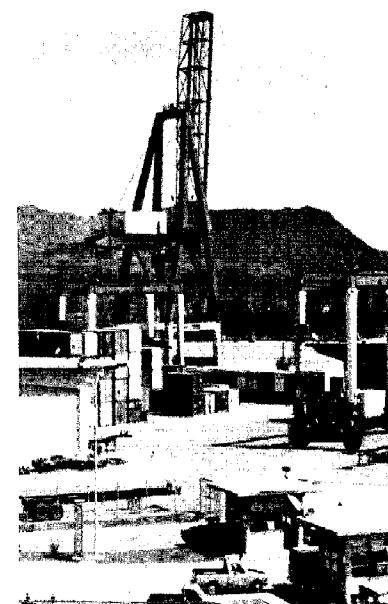
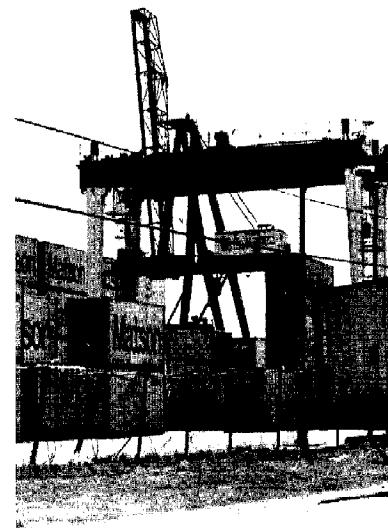
#### FUTURE DEVELOPMENT OF MAJOR INDUSTRIAL, COMMERCIAL, AND PUBLIC FACILITIES WITHIN GUAM'S SHORELINE AND PORT AREAS MUST ACCOMMODATE AND ENCOURAGE MULTIPLE USE OF COASTAL RESOURCES.

Further development of the Commercial Port and Cabras Island areas for shipping and energy related facilities is essential to the island's economy. However, future development must not occur without recognition of the area's potential and suitability for other uses as well. Development of recreation and park facilities, in conjunction with expansion of port-related light industrial and commercial facilities, is feasible and must be encouraged. Adverse environmental impacts resulting from energy production and industrial facilities must be reduced to the maximum extent practicable to permit multiple use of the area's resources.

Sufficient land area is available on Cabras Island for the operation of two additional generating units. The Guam Power Authority's present land holdings appear adequate to accommodate additional fuel oil storage tanks. Expansion of these, and other energy facilities, must limit the adverse impact of thermal discharges, additional power lines, supporting structures, and air pollutants.

The Commercial Port must increase its area to accommodate additional container handling and warehouse facilities, an additional gantry crane, an extended pier and redesigned circulation patterns. Existing industrial and yacht club facilities should be relocated so as to be compatible with potential new industrial and recreational development.

Recently, Guam has been considered as a possible site for the location of an oil storage facility for Japan. It is important that a thorough examination of such a proposal consider both the economic benefits and environmental impact as well. Such a study should recognize that the facility would have a relatively short life span due to a declining world supply of oil and carry an increased risk of oil spills within natural marine areas.



*Rikoknisa i interes i isla yan i Estados Unidos gi disision pot manu na u fanmahatsa nuebu na fasilitat pat ma'umentan i guaha na fasilitat.*

Recognize both the territorial and national interest in siting facilities and evaluating proposed expansion of major facilities.



**GUAM'S VALUABLE MARINE AND  
WILDLIFE RESOURCES MUST BE MAIN-  
TAINED AND PROTECTED.**

Certain areas of the island, such as the wetlands, coral reefs, limestone forests and savannahs provide the primary or only habitats for many of Guam's valuable plant and animal species. These wildlife and marine areas support many plants and animals which have been traditional sources of food for the people of Guam. Many of these wild plants and animals, such as the fruit bat, have become scarce in recent years due to encroaching development and lack of adequate protection.

**I MIBALI NA GUINAHAN GUAHAN GI  
TASI YAN I MANMACHALEK NA LINA'-  
LA' SIHA U FAN MASUSTIENTI YAN U  
FANMAPROTEHI.**

*Guaha siha na lugat gi isla, tat komu i sesonyan, rubentason, i fanacho'an i halomtano', i sabana siha, ni ayu ha' na guaha fina'liheng yan sagan meggai na mibali na klassen ga'ga' yan tinanom. Este siha na lugat ha supopotte meggai na ga'ga' yan tinanom ni hagas ha' mantension i taotao Guahan. Meggai guini siha na ga'ga' yan tinanom tat komu i fanihi, manhassan sa' manmadestrosa i sagan-riha pot rason ni i ti gof dinanche na planun atbanso yan ti nahong proteksion ginen i lai.*

*I Naturat Na Sagan i Manmachalek Na  
Lina'la'*

*I mas naturat na sagan i manmachalek na lina'la' manmanombra komu ti pacha'on na lugat. Siha ayu i fanacho'an, fina'hoya na halomtano', sabana, kanton tasi yan sesonyan. Maseha ti manparehu este siha na lugat gi formasion yan kondision-ñiha, manachalugat ha' siha ya yanggen madestrosa unu na lugat guini siempre u dinestrosa i otro. Pot este siha na lugat trabia ti manna'at-bororota manbunitu manma' atan yan siha i mas takhilo' na i hemplon i naturat na komunidat. Este na lugat na manggaige i mas manhassan na ga'ga' yan tinanom ni un dia siña hokok.*

**Natural Wildlife Areas**

The most untouched representatives of natural wildlife areas are referred to as pristine areas. They include limestone forests, ravine forests, savannahs, coastal strands and wetlands. Although these areas have different characteristics, they are often so closely linked that to destroy one would quickly lead to the destruction of the other. Being the least developed, pristine areas are usually the most pleasing to view and the most valuable examples of the island's natural communities. The most unspoiled areas also often contain the greatest number of endangered and threatened plants and animals.



Larger wildlife habitats have been designated as Guam Conservation Areas. Five major areas have been set aside as wildlife refuges. Additionally, certain critical habitats have been designated as natural areas where particular species find the requirements for survival such as food and shelter. The largest areas include much of the northern coastline, the Fena Reservoir, Orrote Point, and Cocos Island.

*Protehi i kualidat i lugat ni mandilikao tat komu sagan manmachalek na ga'ga', rubentason, fanacho'an gi halomtano' yan sesonyan.*

Protect the unique character of such fragile areas as wildlife habitats, coral reefs, limestone forests and wetlands.

#### Saltwater Wildlife Areas and Marine Resources

The marine areas of Guam include coral reefs, river mouths, mangrove swamps, sea grass beds and underwater cliffs. All of these areas deserve special attention. Coral reefs are geological formations created by living organisms and include the living plant and animal life on the surface of the reef. Coral reefs provide protection of the shoreline, especially beaches, from stormwave erosion. These and other marine areas provide recreation areas, are economically important as breeding grounds for fishery resources and are outstanding tourist attractions. Coral harvesting as well as other harmful activities must be regulated to preserve the natural character of the reefs.

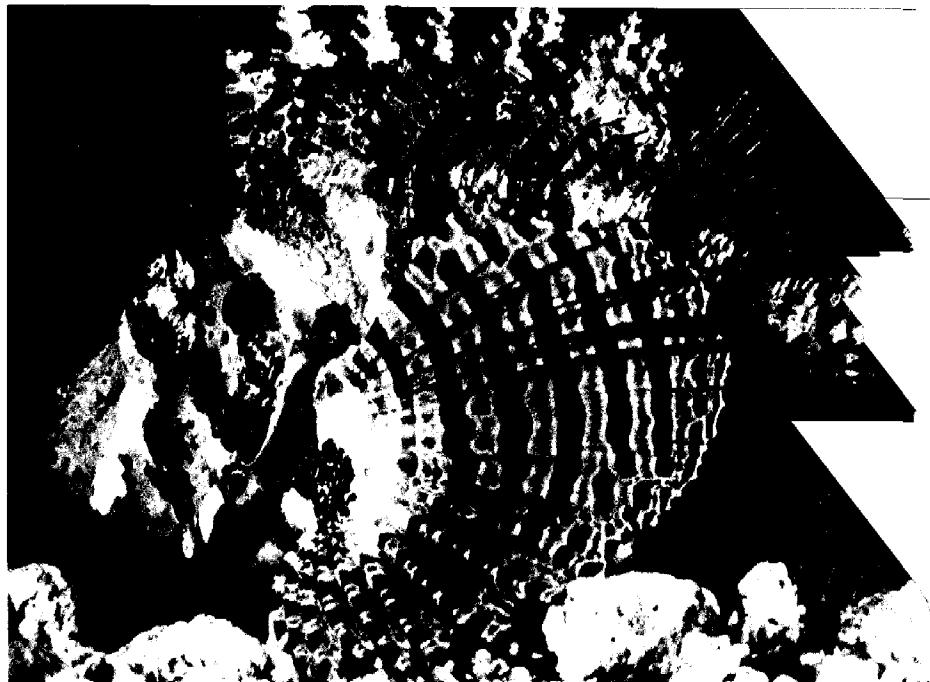
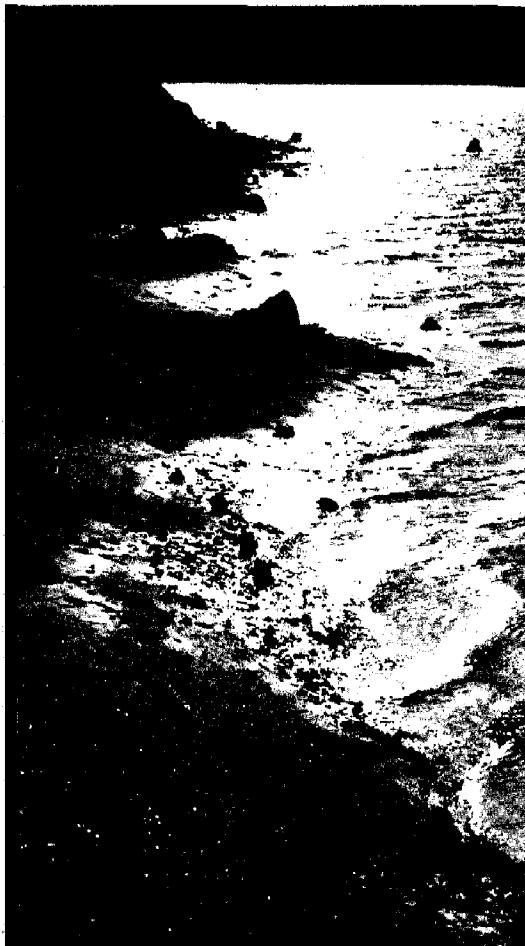
Guam possesses a wealth of marine resources. To date, the potential for development of offshore fishery resources has not been fully realized. Some marine resources must be developed or protected through specific policies or regulations. Marine mammals, especially dolphins and whales, should be protected.

*Manlamoddong na sagan i manmachalek na lina'la' manmadisikna komu Distritu Konsetbasion Guahan, Guaha sinko mayot lugat na manmanombra komu sagan i lina'la' machalek. Guaha ta'lo mangof dilikao na lugat ni' esta manmapo'lo komu naturat na finaliheng yan lugat annai siña masodda' nenkanno'-ñiha i ga'ga'. I mas mandankulo na lugat siha i kanton tasi yan i ladera gi san lagu giya Guahan, iya Fena, Puntan Ororte yan iya Dano'.*

#### *Guinahan i Tasi yan Lugat para i Lina'la' ni Hihot gi Tasi*

*I lugat ni' eriembrabresa ni lina'la' halom hanom ayu siha i rubentason i pachot sad-dok, mangle, sagan addo' yan ladera gi tad-dong tasi. Todu este na lugat debi di u fann-a'e espesiat na atension. I rubentason fina'tinas ni manlala'la' na ga'ga' yan tinanom ni manlala'la' hihot gi hilo' i rubentason. I rubentason ha protetehi i kanton tasi pi'ot ha' i chepchop unai na u fandinestrosa ni napu. Este i rubentason yan otro lugat gi tasi siña ma'usa para dibetsion yan sagan guihan mandikike' ni siña sumaonao gi ekonomia. Maolek lokkue' sumaonao komu lugat dibetsion para i turista. Debi di u ma'arekla ya u ma' ekuta didide' i mako'ko' i acho'kala'u. Munga makonsiente na mades-trosa gi otro klassen bida i acho' kala'u.*

*Riku Guahan gi guinahan i tasi. Trabia ti magef rialisa na pusipble mana'guaha pes-kan guihan gi ge'hiyong. Guaha siha guinahan i tasi na debi u maprotehi ni estriku na areklamento. I mandankulo na ga'ga' tasi espesiatmente i tuninos yan i bayena debi di u fanmaprotehi lokkue'.*



## Sesonyan

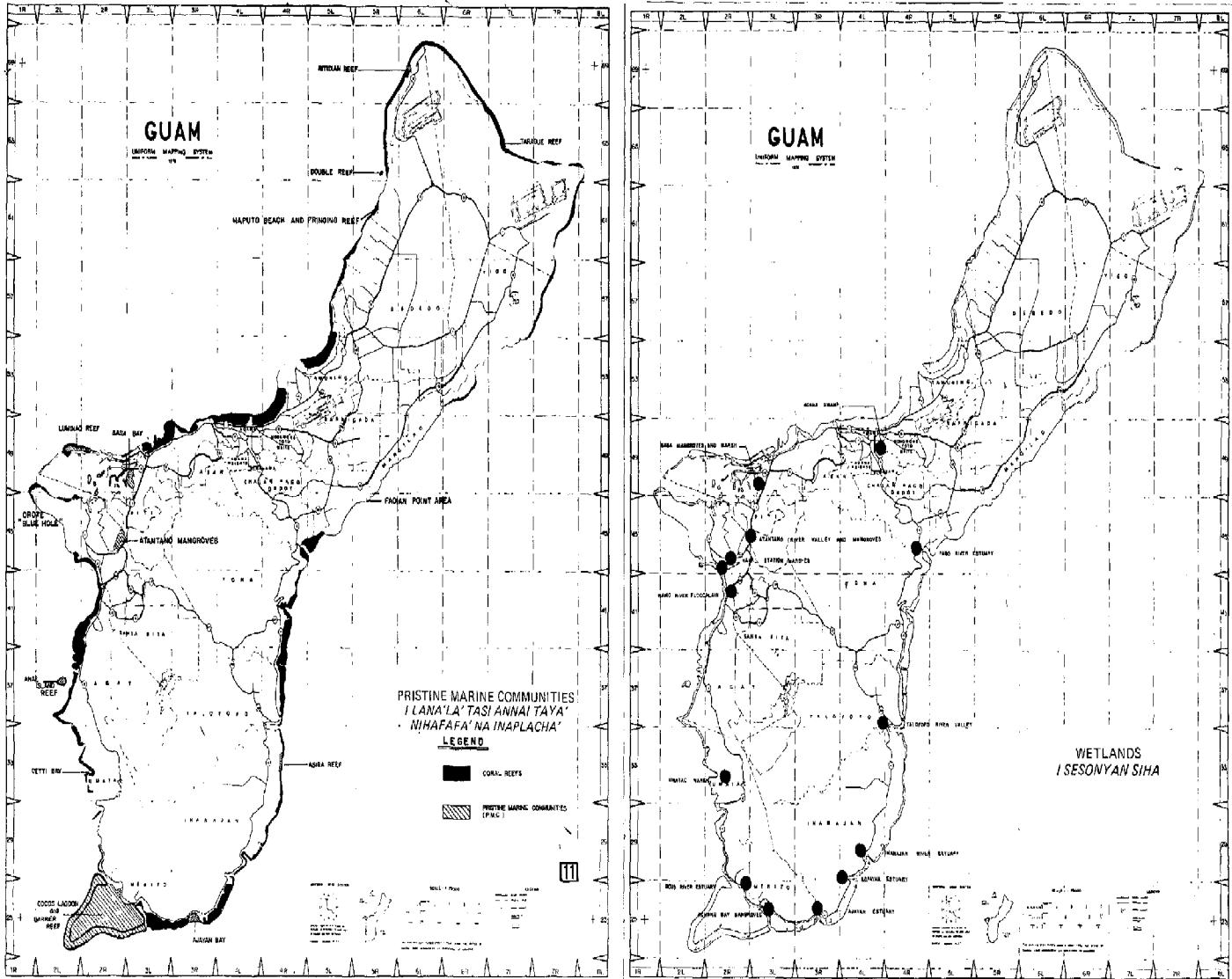
Este na lugat mandistingidu ha' gi mannaturat na banda gi tano' annai mihanom i lugat. Este siha i sesonyan, kañada, fina'hoya ni hihot gi saddok yan sagan i tronkon mangle siha annai guaguaha ha' hanom todū i tiempo. Este siha na lugat na siña man la'la' yan siña manmasodda' ga'ga' yan tinanom. Este na klassen lugat lokkue' annai siña masodda' fresko na hanom pat ayu na lugat ni u fan hannaoguatu i hanom duranten i milak. Mas empottante, este na lugat i fananuyan meggai na sapo' yan fañada'an i ga'ga'siha. I lugat i mangle ti ayu ha' i sagan i manmachailek ga'ga' lao kontodu maolek na patang i kanton tasi pat sesonyan kontra i diron manglo' yan napu. Yanggen para u ma'arekla este siha na lugat munga na u fanmatatme pat u fanma'usa annai u inefekta i kualidat i hanom pat sagan i ga'ga'.

## Wetlands

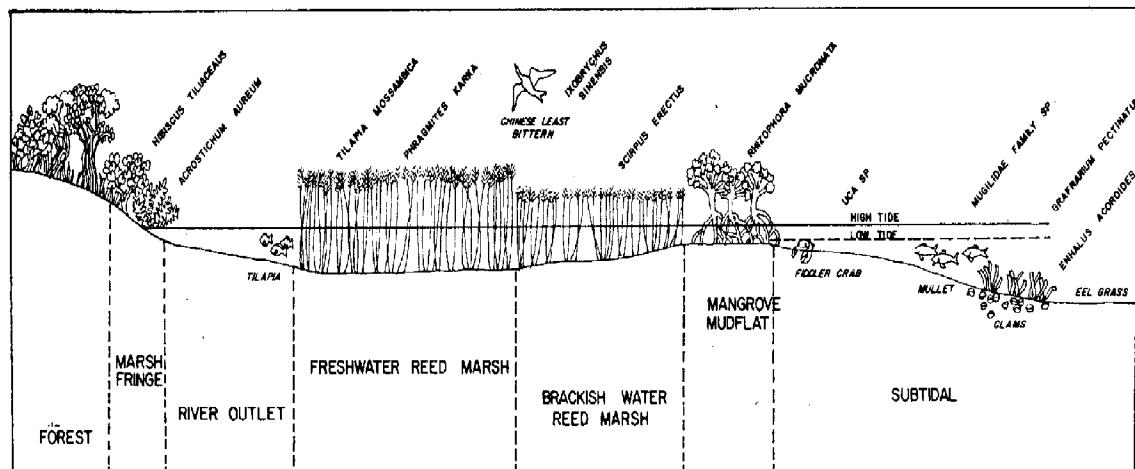
Wetlands are unique parts of the island's natural land area. They include swamps, marshes, mangroves and river valleys that are constantly covered with water. They support aquatic plants and animals. Wetlands also act as a source of freshwater or as floodplains. Most importantly, they are a nursery ground for juvenile plants and animals. The mangrove wetlands are not only a wildlife habitat, but are also useful for shoreline protection from wind and waves. Development within wetlands should not involve their filling or uses which adversely affect water quality or wildlife.

Protehi todū i manlala'la' na guinahan i tasi ni gaige gi uriyān i isla, kololo'ña i acho' kala'u yan guihan yan u maprohibi i manmapeskan i mansususu na ga'ga' ni manlala'la' gi tasi.

Protect all living marine resources within the territorial waters of Guam, particularly the corals and fish, from over-harvesting and in the case of marine mammals, from any taking whatsoever.



CROSS - SECTION OF THE SASA BAY WETLAND  
SESONYAN BAKANAN SASA



Limestone Forests

The limestone forests of Guam are so named because they grow in minimal soil upon the northern limestone plateau. They are a limited resource because land development has cleared most of the forested areas. They can never be reforested to their original condition because newly introduced weeds and shrubs prohibit the re-establishment of native plants and animals. Limestone forests are characterized by large trees which shade the lower vegetation. These areas must be protected to support wildlife, recreational, and educational uses.



**GUAM'S AIR, WATER, MINERAL, AND SCENIC RESOURCES MUST BE PROTECTED.**

In addition to unique and valuable wildlife and marine resources, Guam possesses valuable physical resources as well. While Guam is surrounded by an abundance of relatively clean air, its major supply of freshwater is confined to a single, limited source. Therefore, the protection of the limited water resources is essential to the population's health and safety. In addition, the protection and enhancement of the island's visual character is just as desirable.

Air and Water Quality

The high overall quality of Guam's coastal waters is being threatened by pollution from various sources. The island's under-

*Fanacho'an gi Halomtano'*

*Este na klassen halomtano' mafa'nana'an este sa' tpdu i tinanom guini na lugat mandodokko' gi gof didide' na odda' gi hilo' kaskahu gi san lagu na bandan Guahan. I halomtano' gi ladera yan bahada siha gof didide' sa' meggai giya siha manmasufa' para nuebu na kinalamten ya manmatanumi otro klassen tinanom ginen hiyong. Distingidu i halomtano' bahada sa' guaha meggai mandankulo na tronko siha ya lehngon i lugat. Debi este siha na lugat di u fanmaprotehi para u supotte i manmacha' na ga'ga' siha para dibetsion yan para u fanmausa para edukasion i taotao.*

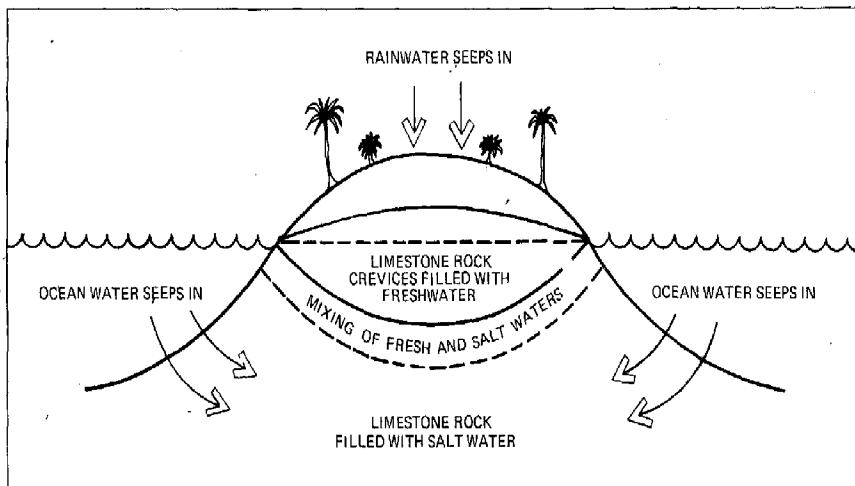
*I AIRE, I HANOM, I MINERAT, YAN TODU I MANBUNITU NA LUGAT SIHA, DEBI DI U FANMAPROTEHI.*

*Fuera di ayu siha i manmibali na lina'la' machalek yan i mandistingidu na guinaha, gairiniku Guahan lokkue' ni sen gasgas yan fresko na aire lao un mayot na matan hanom ha' guaha. Pues pot este na rason na debi di u magef protehi i matan hanom para i salut yan sinafun' i taotao Guahan. Pot mas maolek ha' lokkue' na u fanmaprotehi i bunitu-ña Guahan gi naturat na banda.*

*I Kualidat, I Aire Yan I Hanom*

*I takhilo' na kualidat i tasi gi uriyang Guahan inefefekta ti maolek ni meggai diferentes klassen inaplacha' ginen meggai na banda. I hanom ni ginen i papa' i edda' siha nina'aplacha' ni todou ayu na hinatsa i ti*

A CROSS-SECTION OF THE NORTHERN WATER LENS  
MATAN HANOM GI SAN LAGU NA BANDAN GUAHAN



*manmasuhetan mamaolek, ti suficiente tubon inaplacha', ginен i ma'usan amot pat hafa siha na binenu pat hinatmen hanom tasi yanggen mampos mabomba i tupo'.*

*I lenten hanom ni gaige gi papa' i edda' gi san lagu ha probebeni i mayot patte na hanom fresko giya Guahan. Guaha rayan freskon hanom na mama'ya gi hilo' i ma'asen na hanom tasi ya ha fotofma este na lente. Nina'lalapotpot kada matto i hanom uchan ni' chinechepchop papa' ni edda' ya mimilakal gi halom i acho'.*

*Gi san haya, ti chinechepchop i ichan ni i hago' na odda' yan i acho' botkan gi saba-na yan marikokohi i hanom gi fina'hoya komu saddok pat fina'hagoi o sesonyan. Manmarikohi i hanom ni manmimilak gi sanhilo' pat hihot gi sanhilo' asta guatu gi dipositon hanom taiguhi Fena.*

*Pot i hanom mampos takhilo' yan empotante na nesisidat para meggai na kinalamten, komu uson taotao, para sagan manmarchalek na ga'ga' yan tinanom, debi di u mana'e ni i mas espiyat na atension i mananeña-ña.*

*Maseha takhilo' i kualidat iairen Guahan nina' a'aplacha' ha' ni meggai na kareta, i asu ginен i hafa na sinengge, i asu ginен i laña, yan asga' ginен fasilitat elektrisidat ginен i feggon dankulo ni' mun'a lala'gasgas i petrot para gasolina, yan i asu ginен todú'i batkonaire. Debi di u mana'asigurao na i klassen aire pa'go yan i kualidat-ña u taiguguini ha' ya u masustieni guini na estao.*

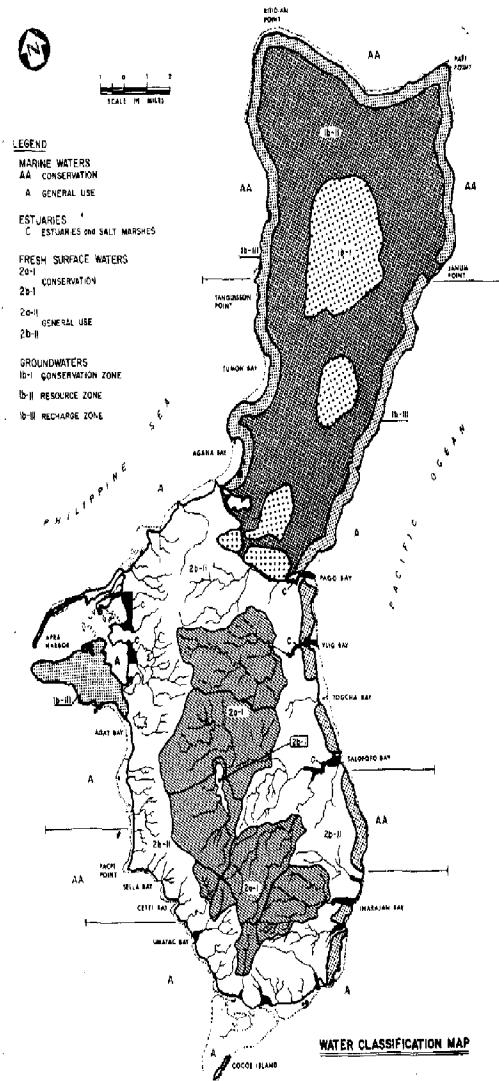
ground water supply can be polluted by uncontrolled development, lack of sewers, use of pesticides or saltwater intrusion from over-pumping wells,

The underground water lens of Northern Guam provides most of the island's fresh water supply. A layer of fresh water floats upon salt water forming the lens. The lens is replenished by rainfall soaking into the limestone of the northern plateau.

In the southern half of the island, most rainfall does not penetrate the volcanic rock, but gathers in the form of rivers, streams, and wetlands. Surface drainage is collected from watershed areas into reservoirs such as Fena Lake.

Because water is vital for activities such as human consumption, agricultural use, industrial needs and the maintenance of wildlife habitats, it deserves special management attention.

While the quality of Guam's air remains relatively high, increased use of automobiles, burning of solid waste, burning of high-sulfur fuels in power plants, petroleum refining and intensive airport use all contribute to air pollution. Efforts should be made to ensure that the quality of Guam's air is maintained at no less than current levels.



*Na' ma'adahi yan manehan maolek i madiskatga na inaplacha' para u guaha proteksion para i magigimen na hanom yan i kanton tasi pat kanton saddok ni ma'u'usa para rekreasional.*

*Enfuenta i areklamento pot i kualidat hanom yan aire kosa ki u masustieni i takhilo' na kualidat hanom yan aire.*

Protect drinking water and aquatic recreational sites by regulating polluting discharges.

Ensure compliance with all local air and water quality standards in order to maintain Guam's relatively high air and water quality.

### Mineral Resources

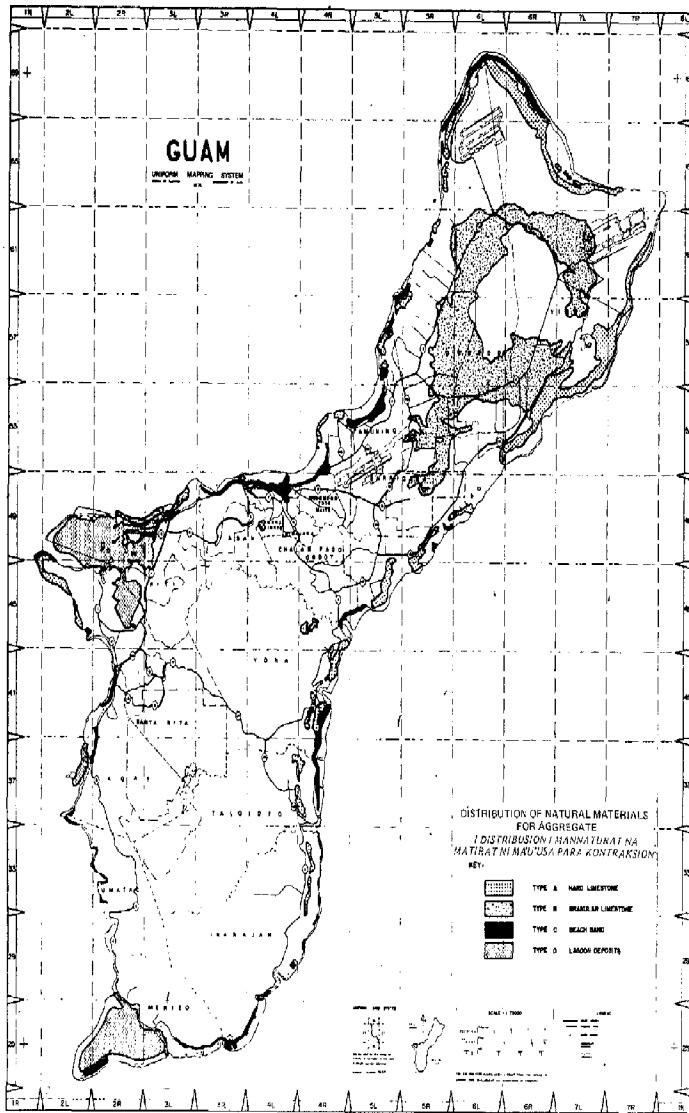
Guam's major mineral resources are limited to limestone and sand. Major extraction activities are presently located on the north-east coastline of the island and will adequately meet the island's needs for the next 20 years without expanding extraction operations to other areas on Guam.

Mineral extraction is essential for construction, landfill and pavement purposes. However, operations must be monitored closely to ensure adherence to air, water quality and erosion standards, compatibility with landforms, adjacent uses and population density; and that land with historical, agri-

### I Guaha Na Minerat

I guinahan minerat giya Guahan ayu ha' i kaskahu yan unai. Pa'go na tiempo i meg-gai na machule' na unai gaige gi Fadian para lagu gi kanton tasi. Nahong i nesisidat i isla na unai asta i manmamacaila' na bente años achok ha' ti u fanmapacha i otro banda siha.

I machule' i minerat gi tano' nesisariu para maséha hafa na hinatsa tat komu guma', para manatne hoyo, pat para chalan. Lao gi todú este na kinalamten debi dí u mapulan maolek yan u mana'siguru na u madalalaki todú i ginagao pot proteksion gi ginasgas aire, i kualidat i hanom, yan i areklo kontra i mayulang i tano', u mafamaolek i ma'usan i tano' sigun gi mineggai i taotao, ya i lugat ni mangaibali gi historia, agrikultura, yan bunitu para u fannmagosa. Munga na u fannmaguaddok para u machule' i inai pat kaskahu. I maguaddok i kaskahu pat unai gi



*hiyong i chepchop tasi debi di u ma'estudia mas. I machule' i inai gi kanton tasi sen klaru na ti maolek gi ma'usan i guinahan i tano'. Gí mammamamaíla' na tiempo siempre u mana' guaha ofisiat na rinayan ekonomia ni dos sientos miyas huyong gi tasi gi-nen i chepchop unai ya pot este na rason debi u mana'guaha inestudia pot i maminan i minerat guini.*

*I edda' lokkue' un gaibali na minerat ni siña malingu yanggen fina'gasse nu i ichan pat duru guinaite ni manglo'. Kahna' ha' lami-ta giya Guahan puru ha' okso ni mas ki 15 pot siento inekso-ña. Maseha hafa na cho'-cho' masusesedi guini gi ekso', gi ladera, pat fina'maddok siguru na yanggen uchan fina'gasse siempre i edda'. I edda' fina'gasse ni ichan papa' asta i saddok, pues huyong asta i tasi yan siempre uma'placha' i hanom tasi.*

#### *Mangatbo Na Guinaha*

*I memeggai-ña na taotao mankonfotme na guaha siha lugat guini giya Guahan na man-naichilong i bunitun-ña, tat komu Sella. Debi di u ma'adahi ya munga na u mayulang i manbunitu siha na guinahan Guahan. I bunita na inatan-ña i ataddok, gefsaga na inatan ya hinahatsa i kualidat i lina'la' i taotao i tano' yan i turista. Siña maprotehi i bunitu na inatan ginen u mana' siguru na todú ayu i mañatpa'go ni tumatampe i klaru na inatan u mana'fañuha, todú i basula, i manmayulang na guma', yan todú ayu i ti man areklao na pine'lon i bisnes espesiatamente gi kanton Marine Drive.*

cultural, or scenic value is not used for mineral extraction. Offshore coral and other dredging operations require further study. Beach sand mining is clearly an unacceptable use of the shoreline. In the future, an officially designated 200-mile off-shore economic zone may suggest the need for studies relating to deepwater mining, such as for manganese nodules.

Soil is also a valuable mineral resource which can be lost through erosion. Approximately half of Guam's land has a slope in excess of 15 percent. On-shore construction practices in areas of steep slope, cliffs, or sinkholes have created serious erosion problems. Some reef areas have been destroyed by construction practices such as land grading on uplands where clay easily washes into rivers.

#### *Scenic Resources*

Most people generally agree on the exceptional value of such views as that from the Sella Bay overlook. The maintenance of such scenic views is important so that the overall beauty of Guam is preserved. Visually pleasing views enhance the quality of life for residents and tourists. Protection of scenic vistas can be ensured by preventing obstruction of views, removing litter, abandoned cars and dilapidated structures, and landscaping or screening unsightly developments such as those found within industrial areas or along portions of Marine Drive.

*'Abiba i konsetbasion yan i ma'adilanton i guinahan fanli'e'an gi isla ginen i ma'enfuet-san i areklamento pat tapbleru, i matira na basula, madibision i tano', manhatsa guma' yan otro siha na punto pat uson tano'.*

*I adilanton i tano', manu na siña, debi di u macho'gue' gi lugat annai ti ha hohomme' i inatan i taotao gi kanton ladera, katsada yan fina'chalan.*

Encourage preservation and enhancement of, and respect for the island's scenic resources through increased enforcement and compliance with sign, litter, zoning, subdivision, building, and related land-use laws.

Locate unsightly uses, when practicable, so as not to block scenic views from overlooks, highways, and trails.





**GOVERNMENTAL MANAGEMENT AND  
REGULATION OF THE ISLAND'S  
LAND AND SEA RESOURCES MUST BE  
IMPROVED.**

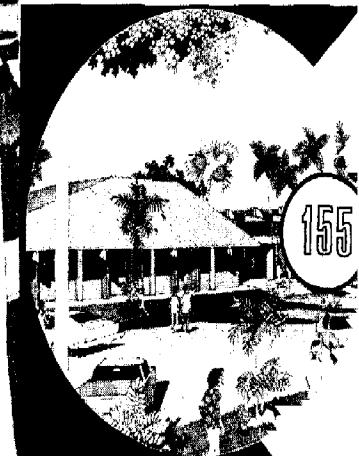
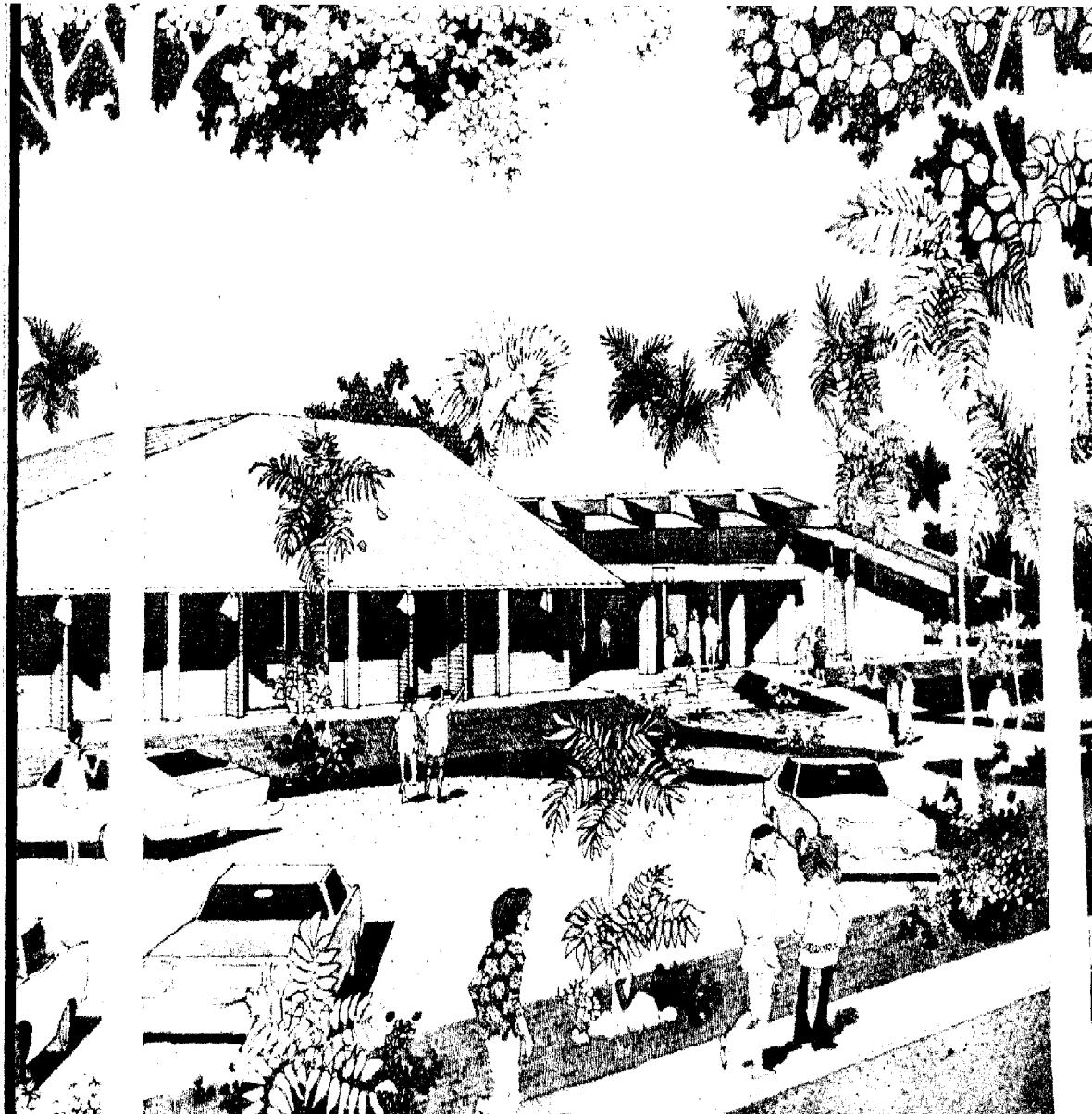
**U MANA'LA'ASENTADU I MINANEHA-  
ÑA YAN I AREKLAMENTON I GUBIET-  
NO NI GUINAHAN I TANO' YAN I  
TASIN GUAHAN.**

Through acceptance of zoning and other mechanisms for regulation of certain resources, the public has determined that some degree of governmental involvement in land-use planning and regulation is desirable. However, governmental efforts in administration of certain laws and regulations affecting such resources have not always been successful. Coordination among the several agencies and departments involved in land-use planning, management and regulation must be improved. Duties and programs for which such agencies are legally responsible, but have neglected, should be carried out. Basic information, such as the extent and boundaries of government land holdings and accurate property valuations must be determined in a timely fashion.

*Ginen i akseptan i taotao nu i madibidin i tano' yan otro na sistema pot inadahin i guinahan Guahan, i publiku ha ditetmina na nesisariu na u saonao i gubietno manarekla gi ma'usan i tano'. Lao i fuetsan i gubietno gi atministrasion i lai yan areklemento kalang ti nahong. Debi di u fanla-adaña' yan mana'lamaolek i che'cho' i ahensian i gubietno ni manma'chanda gi manmaloffan na tiempo ya u fanma' enfuenta. Todu i manesiita na enfomasion tat komu i mineddong i tano' i gubietno yan dinanche na balin i propiadat i taotao debi di u fanmaditetmina gi propio tiempo.*

*Na' mas efektibu i atministrasion i lai, pru-  
gramma yan areklamento pot i naturat siha  
na guinahan i isla.*

Achieve more effective administration of natural resource-related laws, programs, and policies.



*Mas man enteresaosao i taotao pot i adilanton i komunidat-siha siha gi manmamalla' na tiempo. Yanggen sigi ha' manmanhatsa i taotao gi maskesha manu na lugat siempre guaha siha na sulat manrinibaha i presiunña, siña ti ma'usa maolek i guinaha na tano', siña guaha ti manguaiayon na padron chalan yan siña mas guaguan i mahatsan-ña i fasilitat pupbliku. Este na klassen adilanto lokkue', siña nina' mas guaguan yan mas ti kombeniente i fasilitat pupbliku para i taotao yan siña yinilang i imahin i sengsong siha.*

Residents are becoming increasingly concerned about the future growth and development of their respective communities. Continued random expansion and location of residential, commercial and manufacturing uses may reduce the value of certain properties, result in the misuse or abuse of certain valuable resources, generate undesirable circulation patterns and costly infrastructure development. Such development may also lead to more expensive and less accessible public facilities and detract from the visual and social identities of the island's villages.

**THERE EXIST NO CURRENT PLANS TO  
GUIDE FUTURE DEVELOPMENT OF  
THE ISLAND'S COMMUNITIES.**

*Usa i planun komunitat siha para ma'analisa ayu siha na adilanto ni mapropoponi ni i gubietno yan i san hiyong yan gi atministrasian yan rebisasion i lai pot i ma'usa yan madibidi i tano'.*

Utilize community design plans in analysis of proposed private and governmental development and in the administration and revision of zoning and subdivision laws.

Community design plans have been developed through review and analysis of extensive amounts of information provided by government agencies and the general citizenry through individual village public hearings. They represent what are foreseen to be the best uses of our land area during the next two decades. The plans identify communities on the basis of geographic factors rather than political or municipal boundaries. To what degree these plans are utilized in the future development of the island will be determined ultimately by the residents. Like all plans, they may change along with the goals and aspirations of the people they serve.

**TAYA' PA'GO PLANU PARA U FANGI-NIHA I KINALAMTEN I KOMUNIDAT SIHA GI MANMAMAMAILA' NA TIEMPO.**

*I planun i komunitat siha ni manma rekordmemenda guini, manma fotma ginen i mari-kohi yan ma'analisa kantida na enfotmasion ginen i ahensian gubietno yan i publiku gi huntia ni manmakonduka gi sengsong siha. Este siha na planu mareprisesenta i hinasso, i mali'e yan i tiningo' pot hafa mas maolek ma'usa-ña i tano' gi manmamaila' na 20 años na tiempo. Este siha na planun komunitat, ha identifika siha i komunitat sigun gi geographic na banda en lugat di i prisente na manera ni madibidi i komunitat siha gi pulitikat pat munisipat na banda. Siempre i taotao i isla u dinitetmina kao u ma'senusa i planu siha para i adilanton i isla gi manmamamaila' na tiempo. Siña matulaika este siha na planu yanggen matulaika lokkue' i minalago' yan dinisehan i publiku ni sinesetbe ni este na planu.*





*I para manma'diskuti na usan tano' manma'-identifikasi gi mapan i planun komunitat. Este siha na inisan tano' ha reprisesenta mas espasifiku na inisa ki ayu i para masodda' gi i Land Use Districting Map annai annok i siudat, lancherias, agrikuttura, yan konsetbasion na distritu siha. Achok ha' trabia ti mafa' lai, este siha na planun komunitat siña ma'usa yanggen para makonsidera yan ma'implementa nuebu na areklatamento pot ma'usan tano' gi manmamamaila' na tiempo.*

The following uses are keyed on the community design maps. These uses represent more specific delineations of those broad land-use classifications found on the Land-Use Districting Map - urban, rural, agriculture and conservation. Though not zoning maps, they provide the basis for consideration and implementation of revised zoning designations in the future.

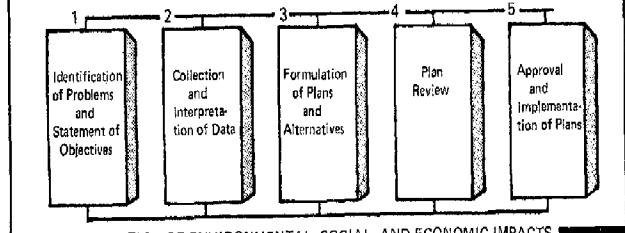
**PUBLIC MEETING AND MAP REVIEW SCHEDULE  
I PLANU PARA U FANDANA' I PUBLIKU PARA U MADISKUTI I MAPA SIHA**

COMMUNITY	PUBLIC MEETING DATES	MAP REVIEW DATES
Aguo-Ri: Aga-Santa Rita Umessa Munusa Inurajan-Maogaj Talofofo Yona Central Guam	March 29, 1977 March 22, 1977 February 2, 1977 February 22, 1977 March 1, 1977 March 8, 1977 March 15, 1977 April 12, 1977 April 19, 1977 April 28, 1977	August 17-31, 1977 August 17-September 8, 1977 June 9-20, 1977 May 27-June 10, 1977 July 12-26, 1977 August 17-31, 1977 August 17-31, 1977 August 24-September 20, 1977
Tamuning Dededo Yigo Rota	March 23-April 15, 1977 March 3, 1977 May 31, 1977 May 10, 1977	March 23-June 2, 1977 August 18-September 2, 1977 June 3-17, 1977 August 24-31, 1977

NOTE: Minutes of the public meetings can be viewed in the Office of Bureau of Planning, Coastal Management Section.

**THE PLANNING PROCESS  
I SISTEMA PARA U MAPLANE'A I MA'USAN I TANO'**

**PUBLIC INVOLVEMENT AND INFORMATION EXCHANGE**



**EVALUATION OF ENVIRONMENTAL, SOCIAL, AND ECONOMIC IMPACTS**

Source: Land-Use Plan, Guam 1977

**KEY TO COMMUNITY DESIGN MAPS**

**MA'USAN-ÑA / MAPAN I PLANUN  
KOMUNIDAT**

**A. Urban**

1. Residential, (Low Density). Single-family residential use.
2. Residential, (Medium High Density). Multiple-family dwellings or apartments and condominiums.
3. Resort. Development such as hotels and related support services.
4. Commercial. Retail and shopping areas providing goods and services.
5. Industrial, (Heavy). Existing areas of a specific type of industrial activity such as a refinery or port facilities.
6. Industrial, (Light). Assembly, light manufacturing, and related use.
7. Airport. Airfields, terminals, and related support facilities.
8. Public and Semi Public. Schools, churches, cemeteries, community centers, government buildings and grounds, and similar uses.

**B. Rural**

1. Residential. Agriculture and limited single-family residential use.

**C. Agriculture**

1. Cultivation. Land of relatively flat terrain and fertile topsoil for raising of crops and livestock.
2. Aquaculture. Areas presently used for the raising of fish, eels, and shrimp and other aquatic species.

**A. Siudat**

1. *Lugat Residensia. (Ti Motmot). Sagan guma' un familia.*
2. *Lugat Residensia. (Motmot-ñihon). Sagan guma' para mas ki un familia taiguhi i apartment yan condominium.*

3. *Lugat Bumakasion. Sagan adilanto taiguhi i hotet yan otro siha na setsibiu para i turista.*
4. *Lugat kometsiat. Sagan tienda yan dankulo na bisnes ni guaha bentan produkto yan setbisiu.*

5. *Lugat Industriat. (Makkat). Prisente na sagan espasifiku na aktibidad industriat taiguhi i marenfinan laña pat fasilitad puettu.*
6. *Lugat Industriat. (Ti makkat). Sagan manatma produkto yan ayu siha i ti manmakkat mafabrika.*

7. *Plasan Batkonaire. Sagan fasilitat ni sumupapotte i aktibidad batkonaire.*
8. *Lugat Pupbliku. Sagan Eskuela, guma' Yu'os, simenteyu, fasilitat yan tano' gubietno, yan otro siha na lugat ni mafa'totoigui ni i pupbliku.*

**B. Lancherias**

1. *Lugat Residensia. Sagan agrikuttura yan ti meggai na guma' un familia.*

**C. Agrikuttura**

1. *Lugat Fangualu'an. Tano' annai yanao yan maolek i edda'-ña para matanumi yan mamoksai ga'ga'.*

2. *Lugat para mamoksai ga'ga' saddok. Lugat ni ma'u'usa para mamoksai guihan, asuli, uhang yan otro ga'ga' saddok.*

**D. Konsetbasion**

1. *Manana Na Lugat. I ti manma'yuyuma siha na fina'okso' yan kanton tasi, i sagan hanom gi papa' tano', yan otro siha na lugat ni machochomma' i hinasta siha.*

2. *Lugat Ni Ti Motmot i Taotao. Lugat ni magogos chomma' para residensia yan agrikuttura.*

3. *Lugat Ni Manggai Historia. Lugat annai guaha siknikante na iyon i manansianuña Chamorro yan i manggai estoria o man sen antigua na kinahat.*

4. *Plasa. Mayot na sagan rekre'asjon ni ma'u'usa para mamokkak kayong, muñangu yan camping.*

5. *Lugat Dibetsion. Sagan aktibidad dibetsion taiguhi i plasan bumola yan maskeseha hafa na klasseñ huegu.*

6. *Sesonyan. Sagan saddok, sesonyan yan otro lugat annai guagua ha nom gi hilo' tano'.*

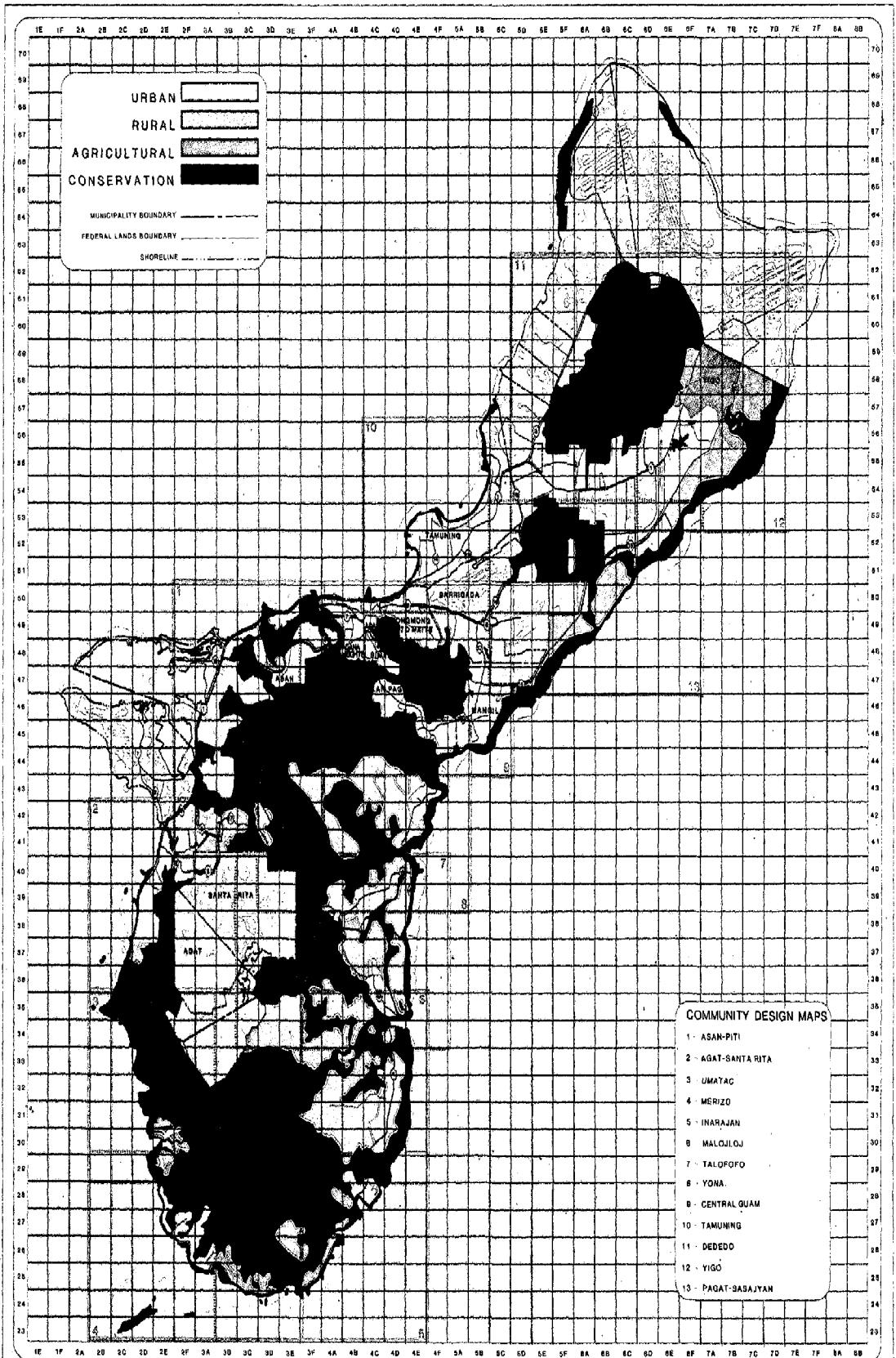
7. *Lugat Annai Harikohi Gue' I Hanom Pat I Falingun Hanom. I tak-papa' na lugat siha annai lala'la' i chiguan yan i man naturat na finamaddok gi tano' annai malingo i hanom asta papa' gi lensia.*

8. *I Lugat Annai Mana'arikohi i Hanom. I san haya na lugat gi isla annai bula fina'beka ginen i ansopblan batkan yan okso annai mana'arikohi i gasgas na hanom hilo' tano'.*

9. *Lugat Para i Maprotehin i Manmachailek. Lugat gi annai manmaprotetehi i manmachailek na tinanom yan ga'ga'.*

**D. Conservation**

1. Open Space. Undeveloped slope and natural shoreline areas, primary aquifers, and other areas where development is discouraged.
2. Low Density. Heavily restricted, residential and agricultural use.
3. Historic Sites. Locations with significant prehistoric, historic, or architectural value.
4. Parks. Major land areas for active and passive outdoor recreational use such as hiking, camping, and swimming.
5. Recreation. Land for leisure activities such as baseball, basketball, softball, soccer, and playgrounds.
6. Wetlands. Swamps, marshes, rivers, mangroves and other lands constantly covered with water.
7. Lowland Basins and Sinkholes. Low grassy areas and natural openings on the limestone plateau located over primary aquifer recharge areas.
8. Watersheds. Southern volcanic uplands and ravine valleys necessary for uninterrupted and unpolluted surface water drainage.
9. Wildlife Reserves. Areas for preservation of plant and animal life.



BUREAU OF PLANNING

The preparation of this plan was undertaken as a joint venture by the U.S. Department of Housing and Urban Development, Office of Federal Aid Management

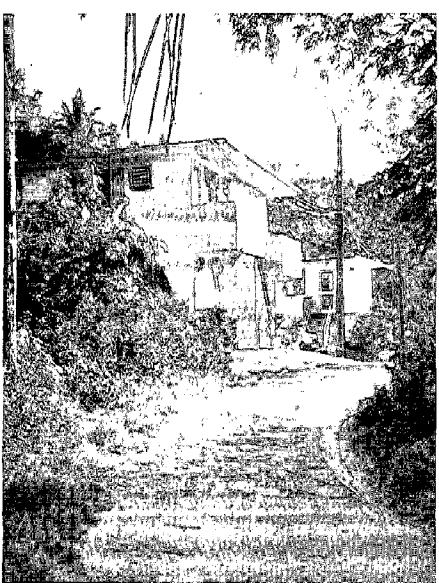
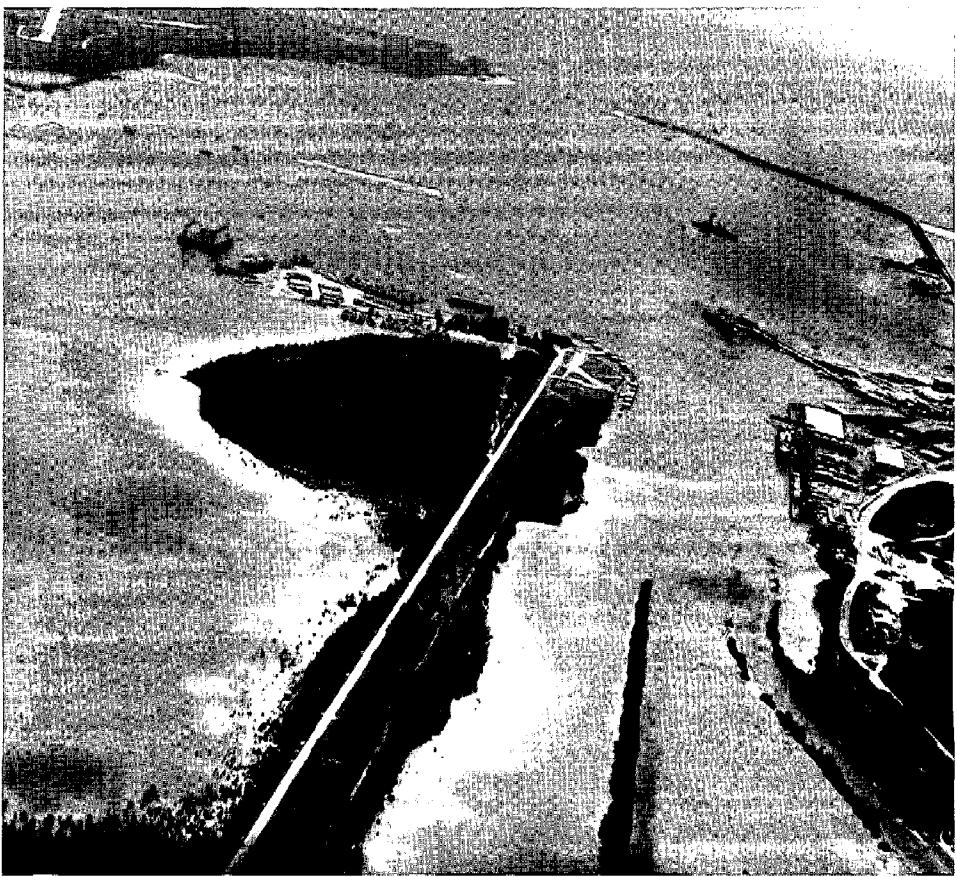
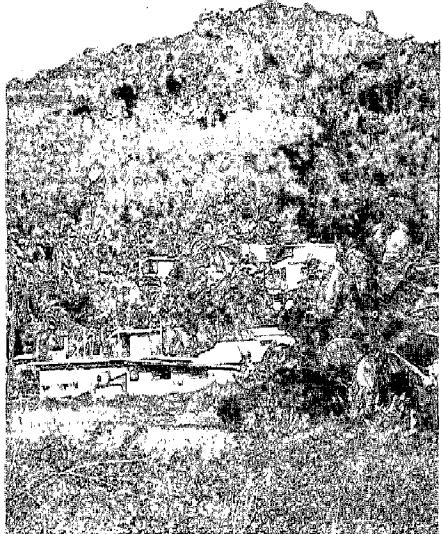


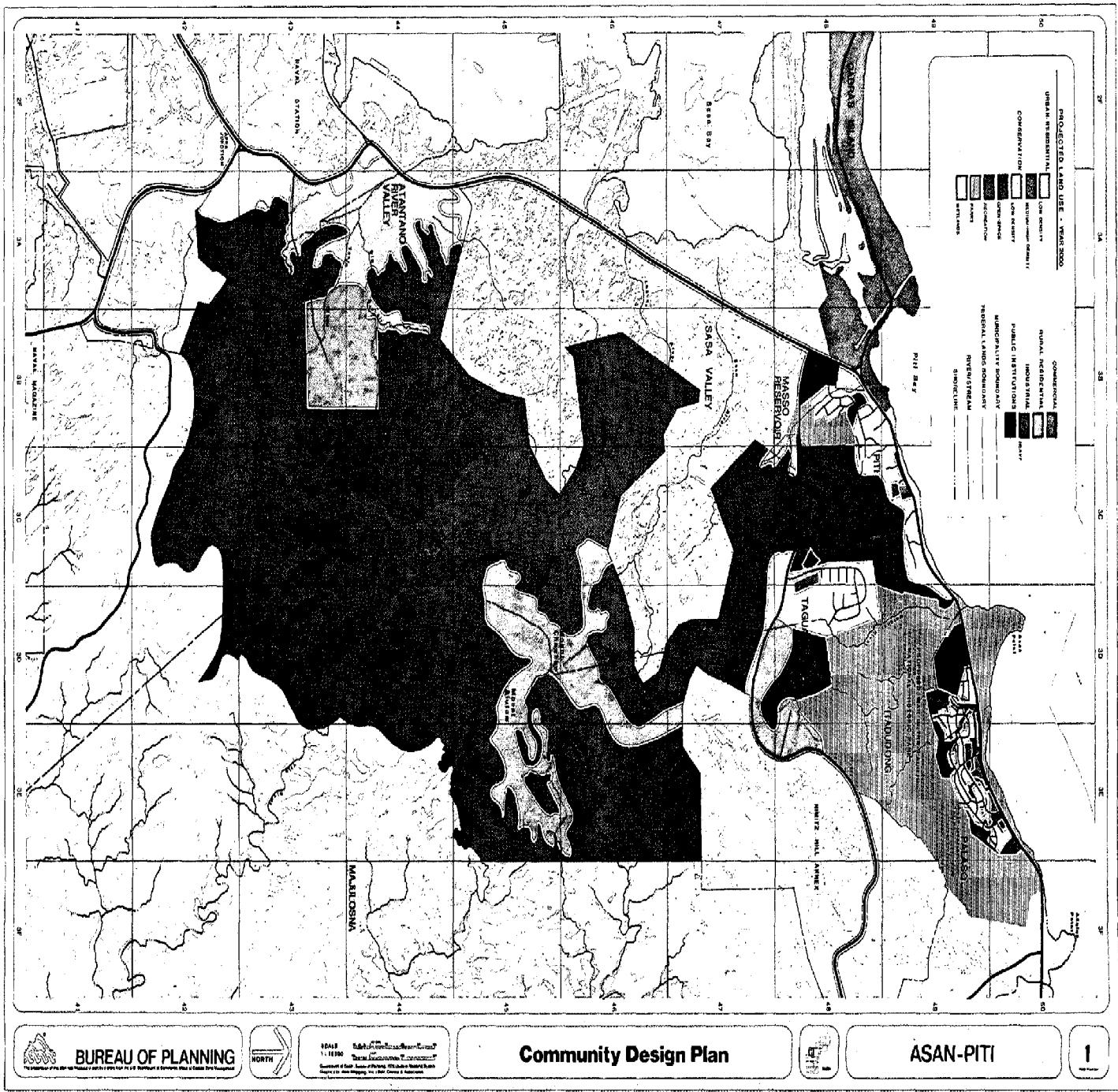
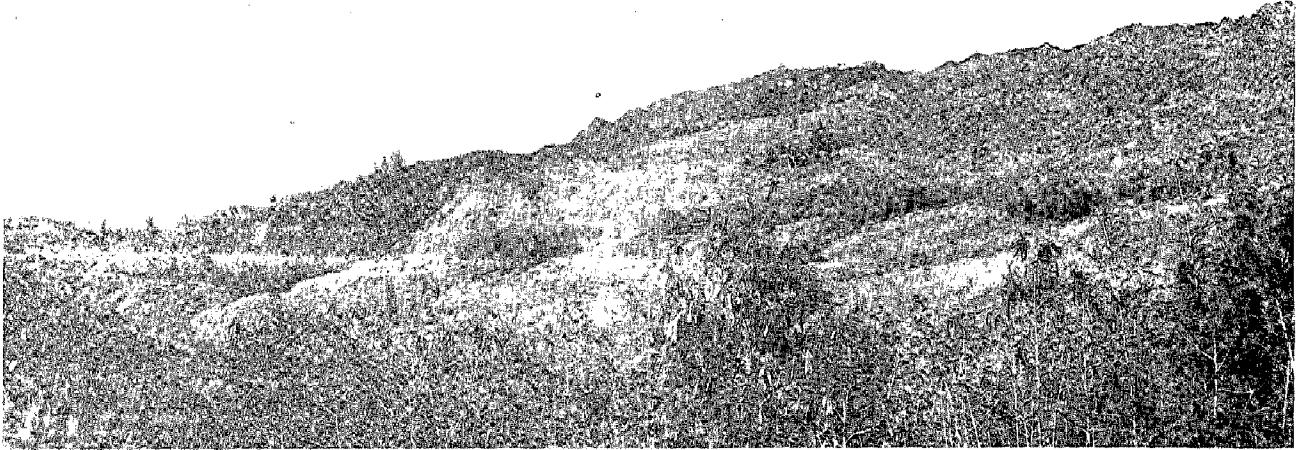
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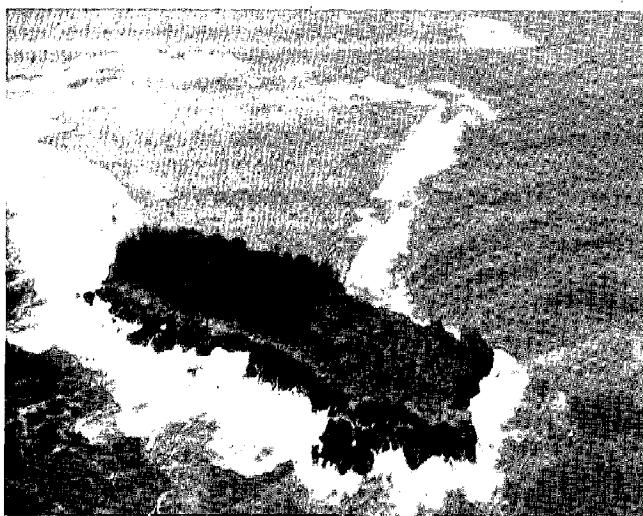
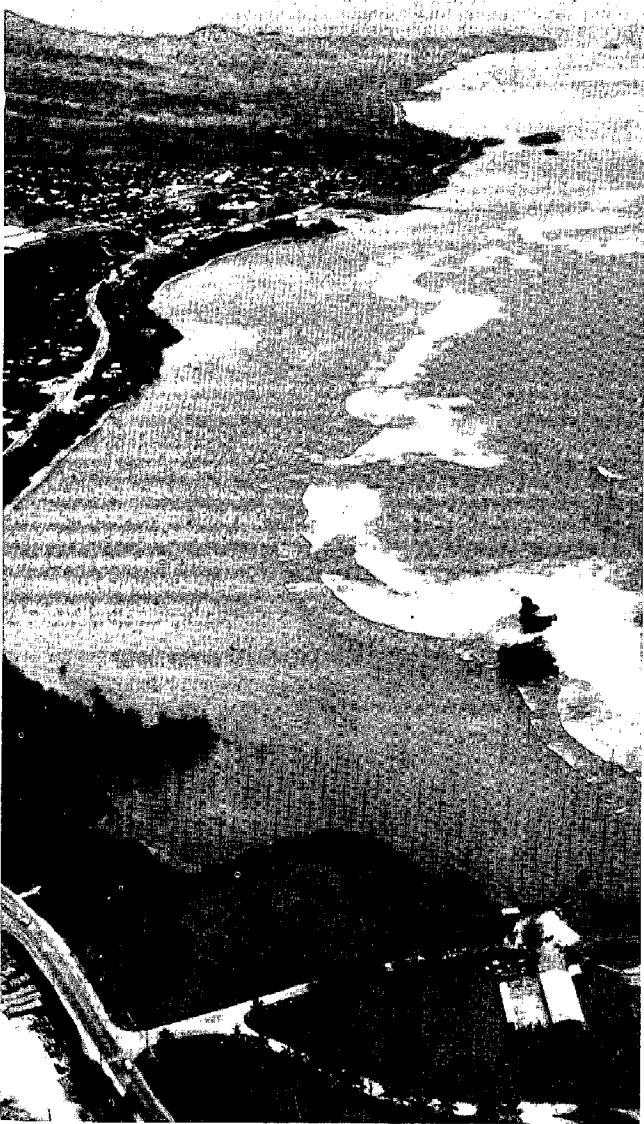
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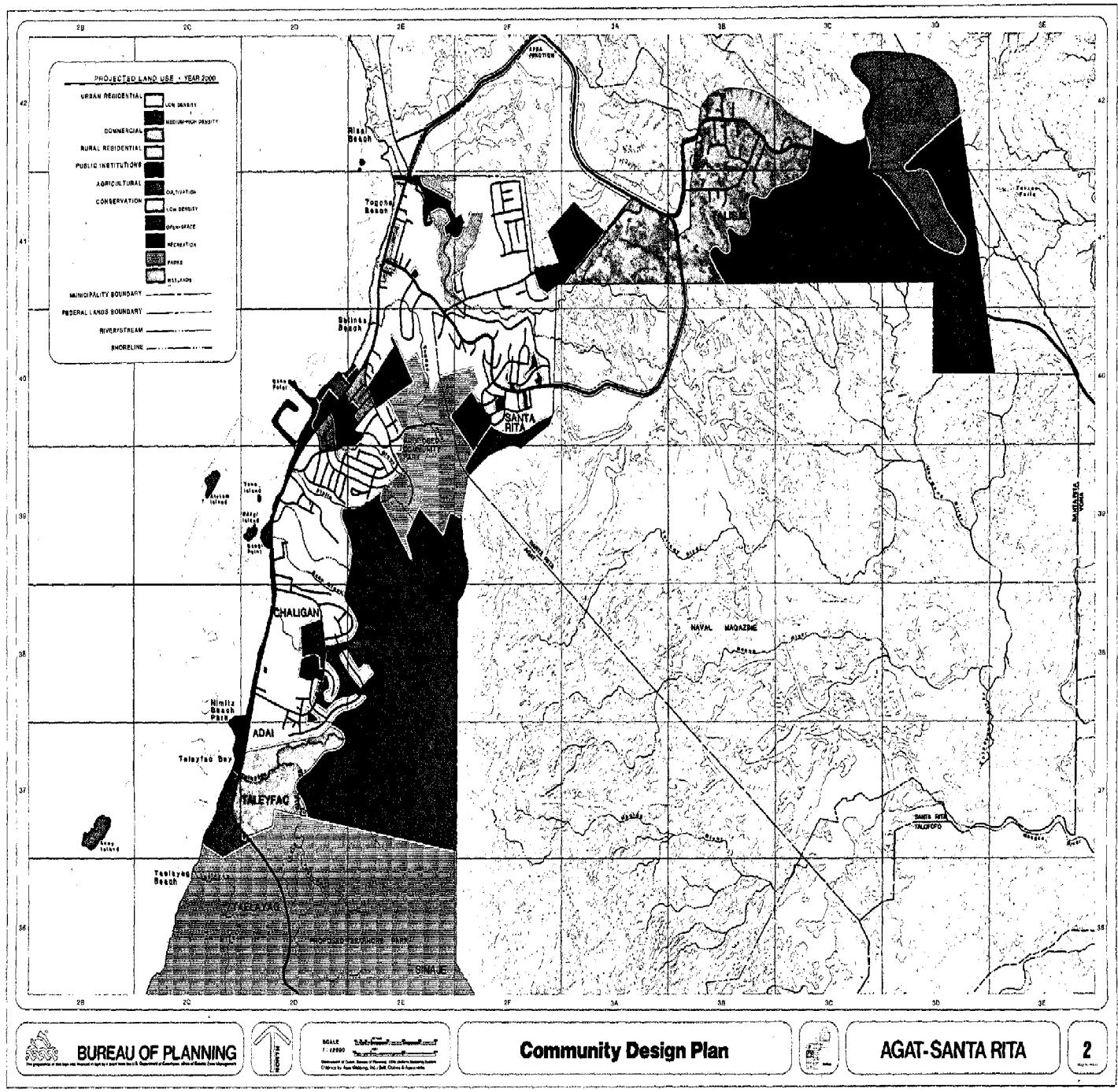


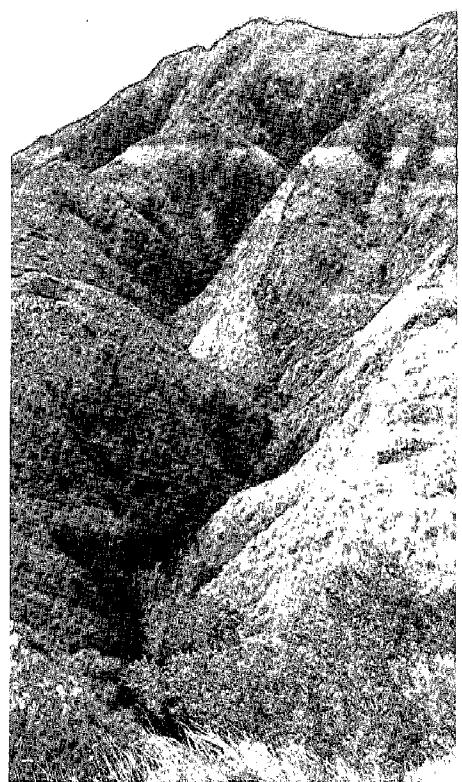
GUAM Land Use Districting Map

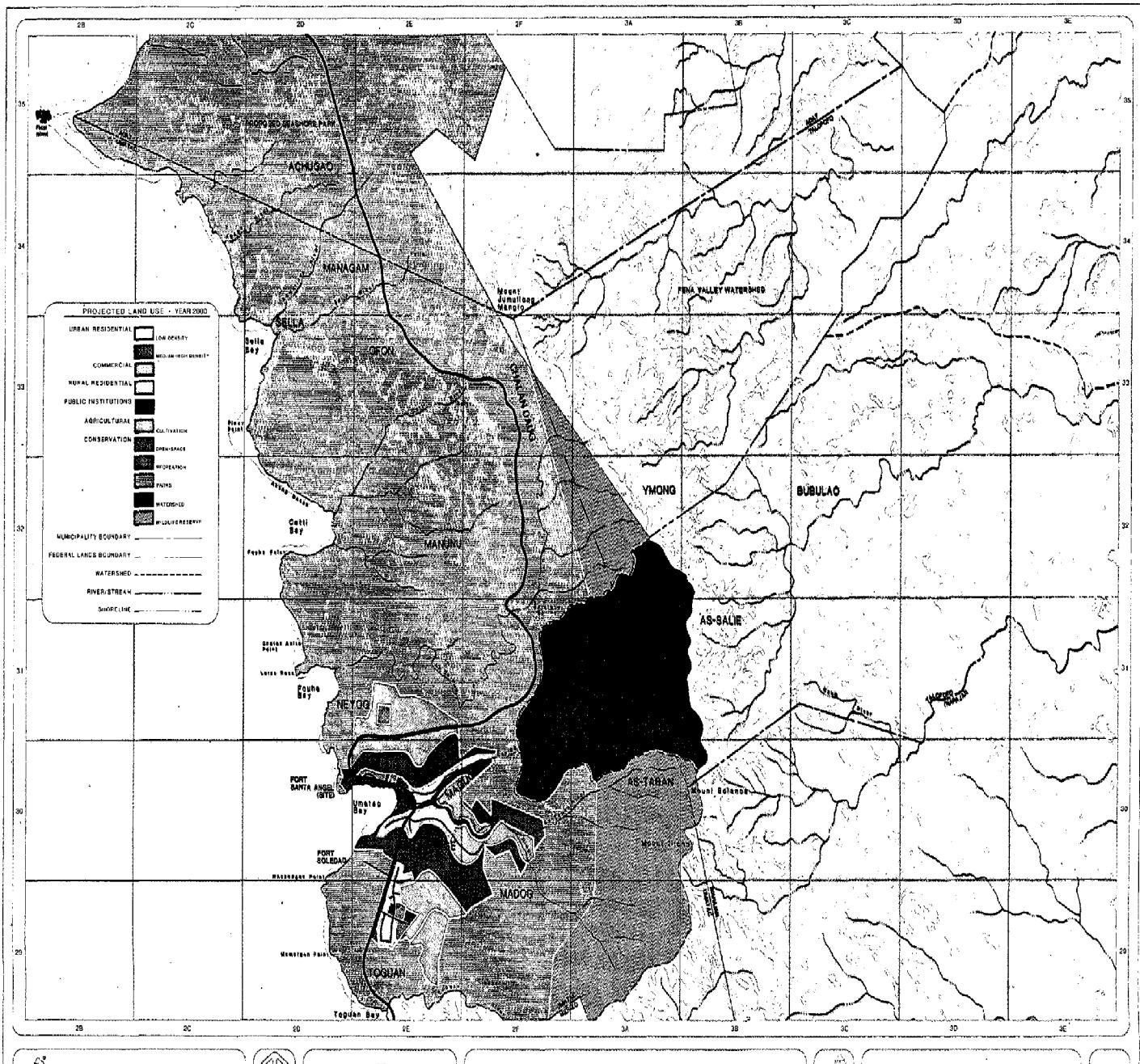
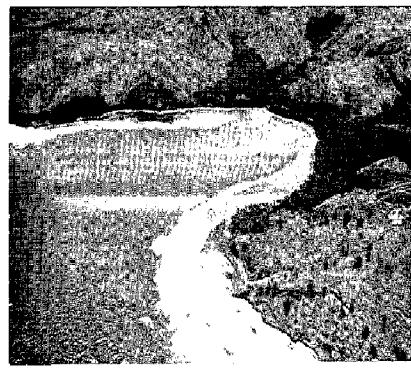












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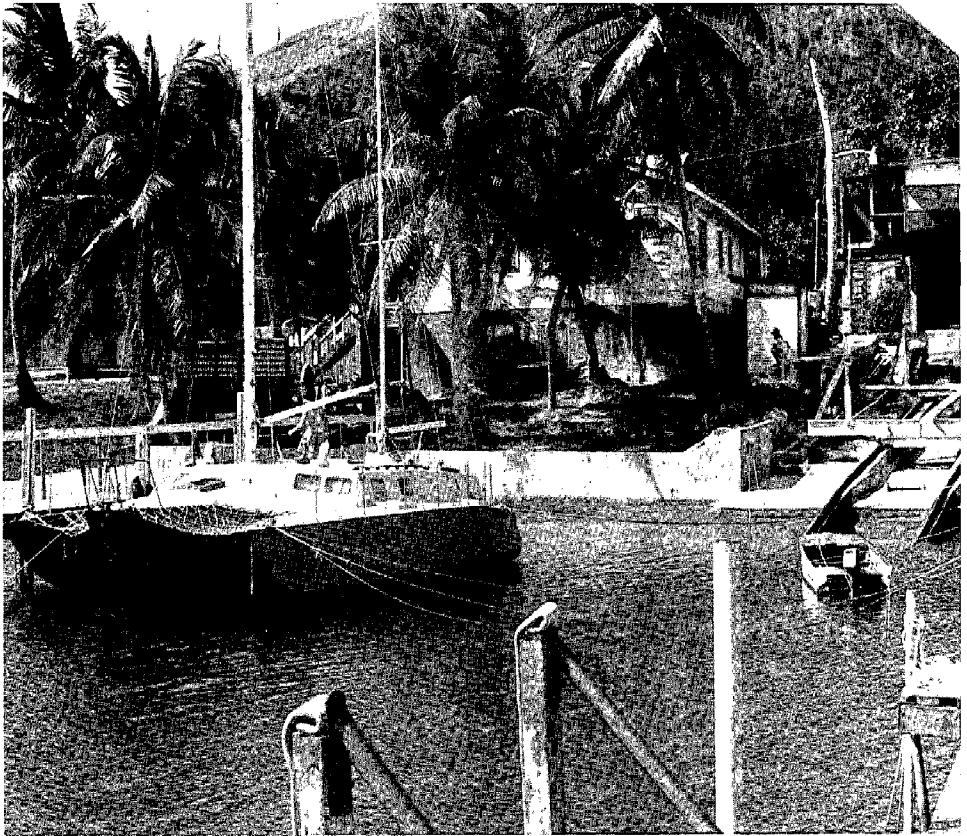


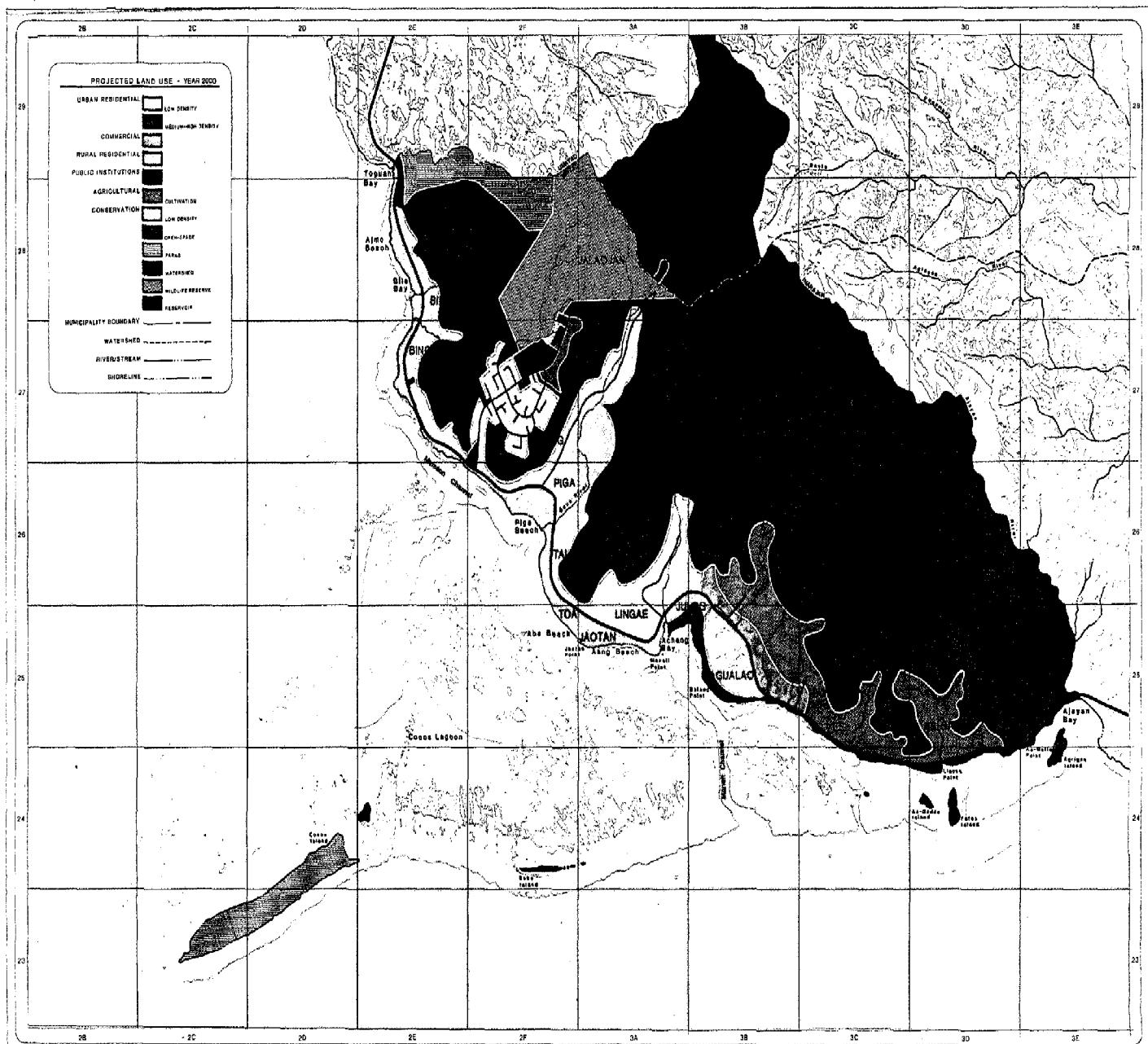
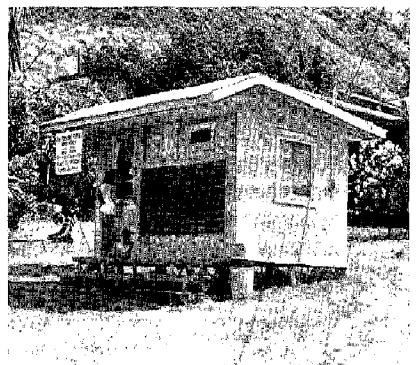
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Community Design Plan



UMATAC





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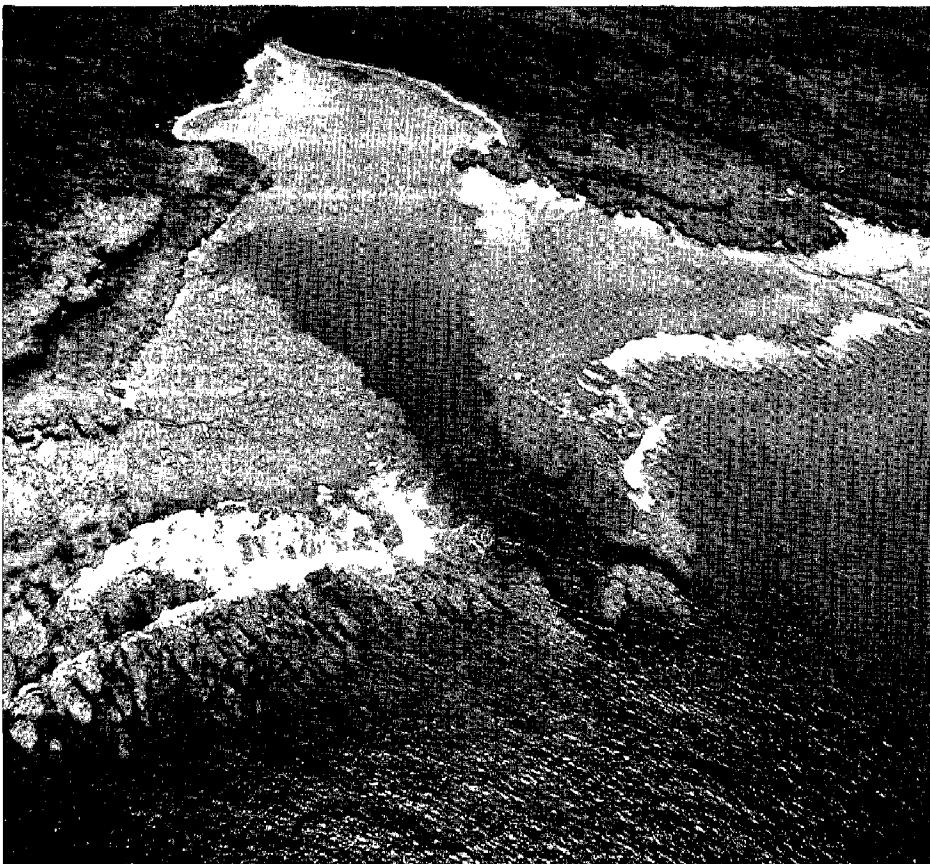
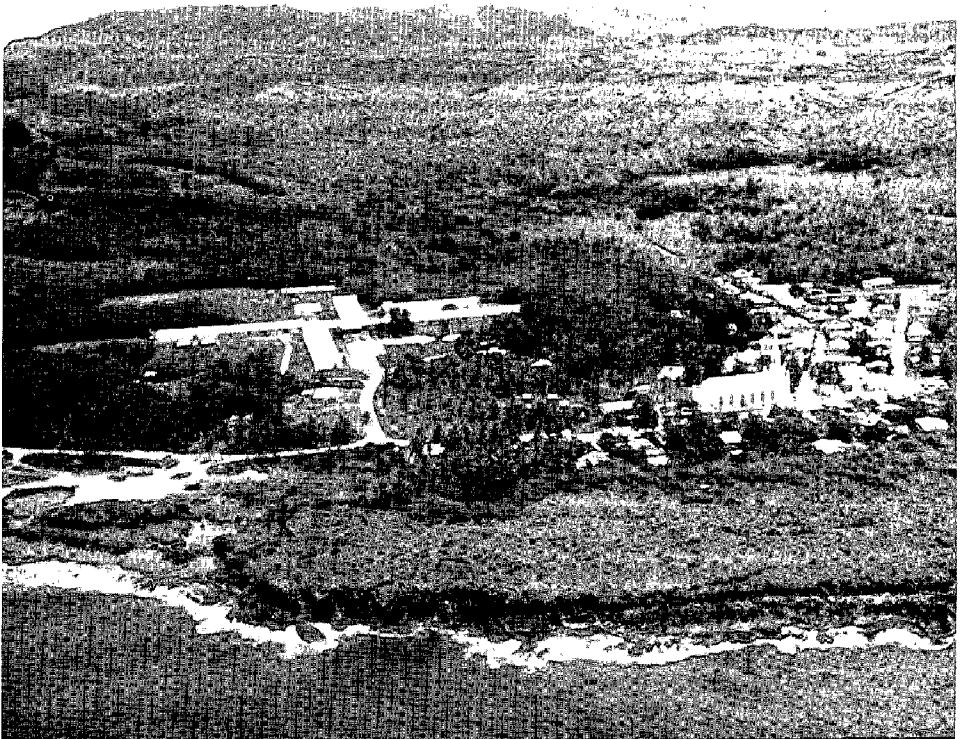
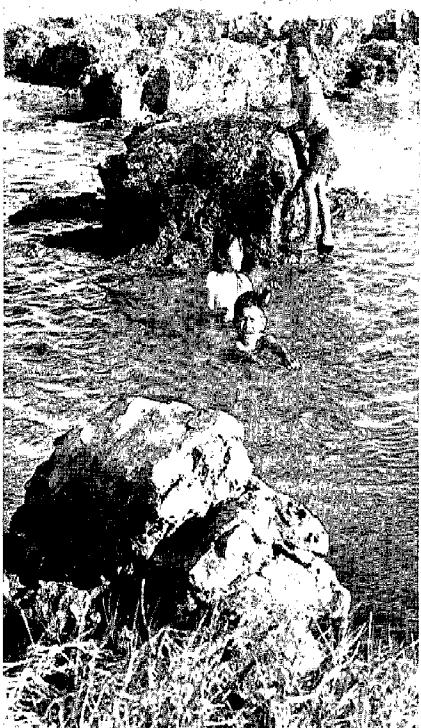


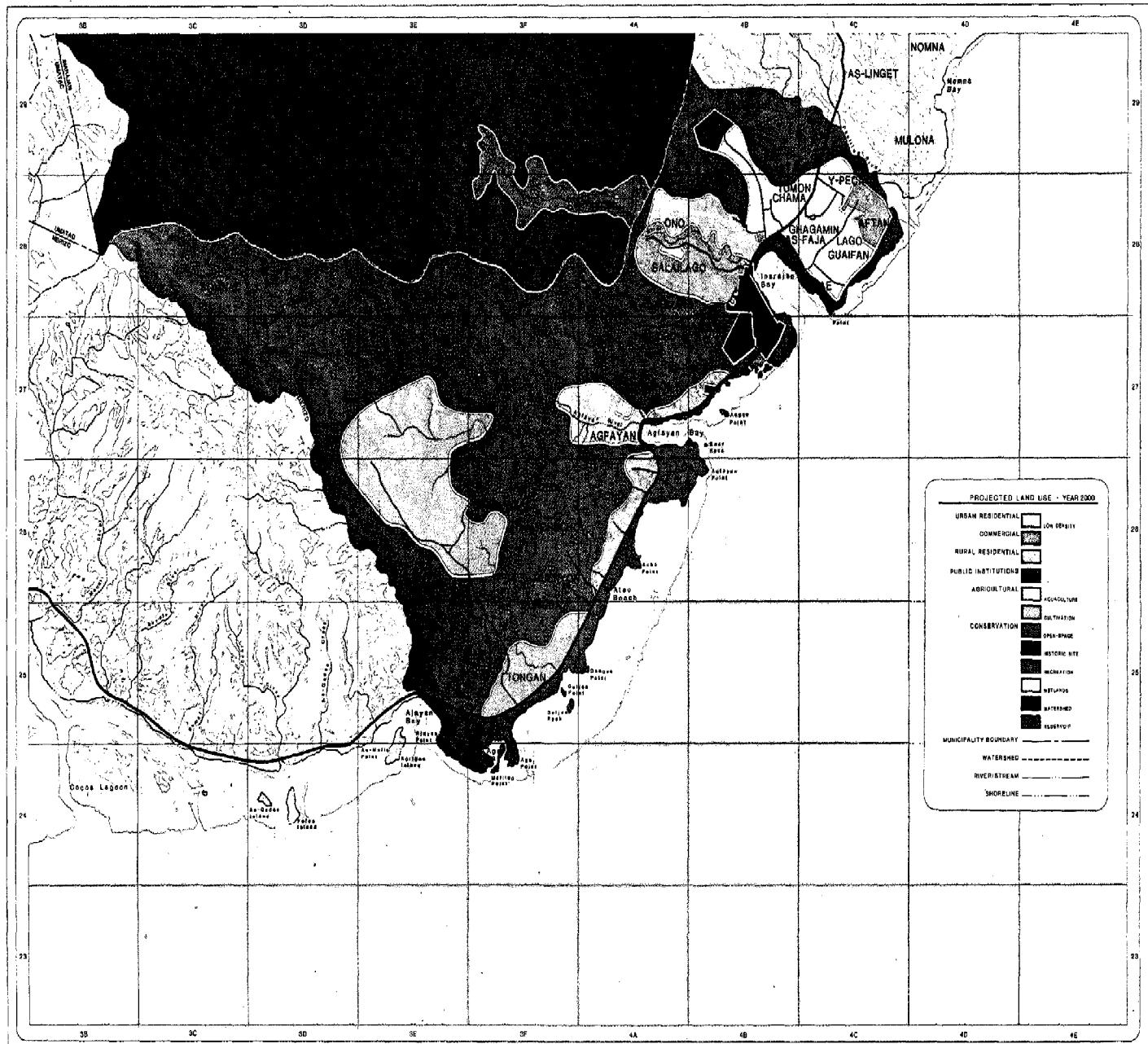
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Guam Land Survey Office, 1996  
Copyright 1996, Guam Planning Commission, Guam, Commonwealth of the United States of America

## Community Design Plan



MERIZO





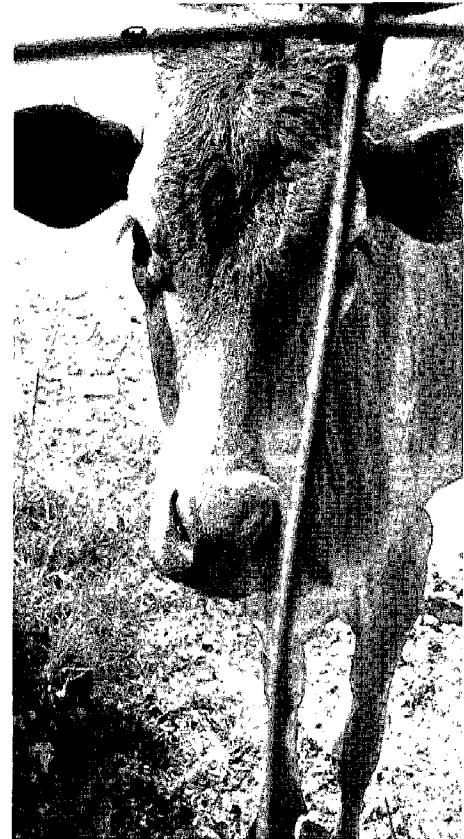
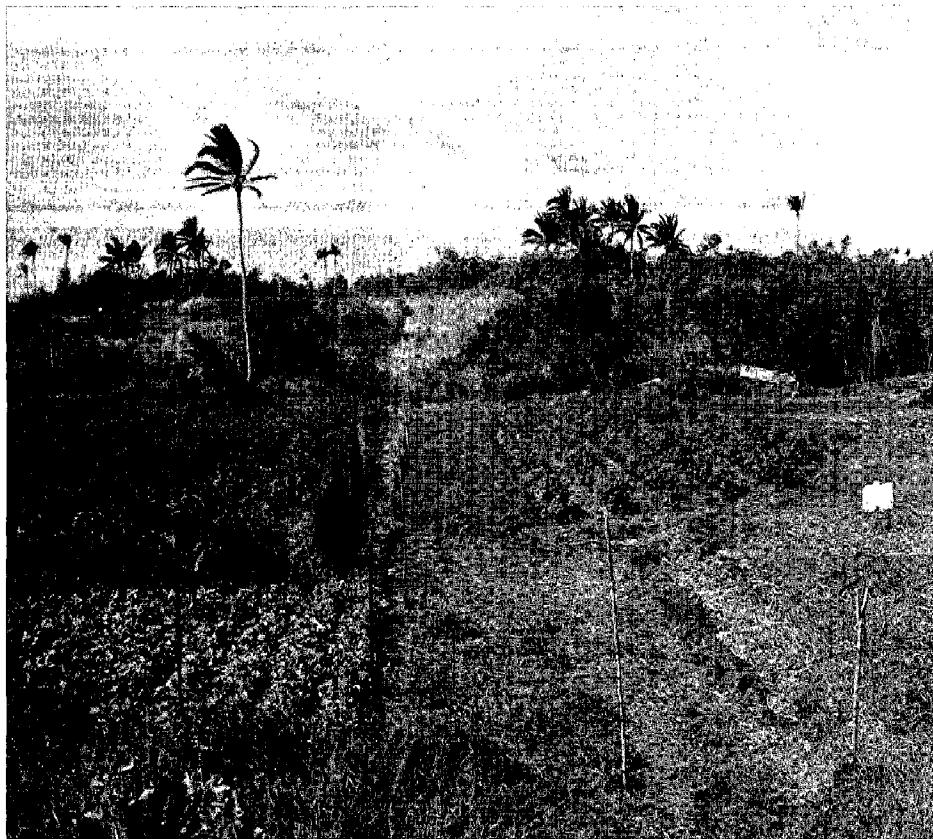
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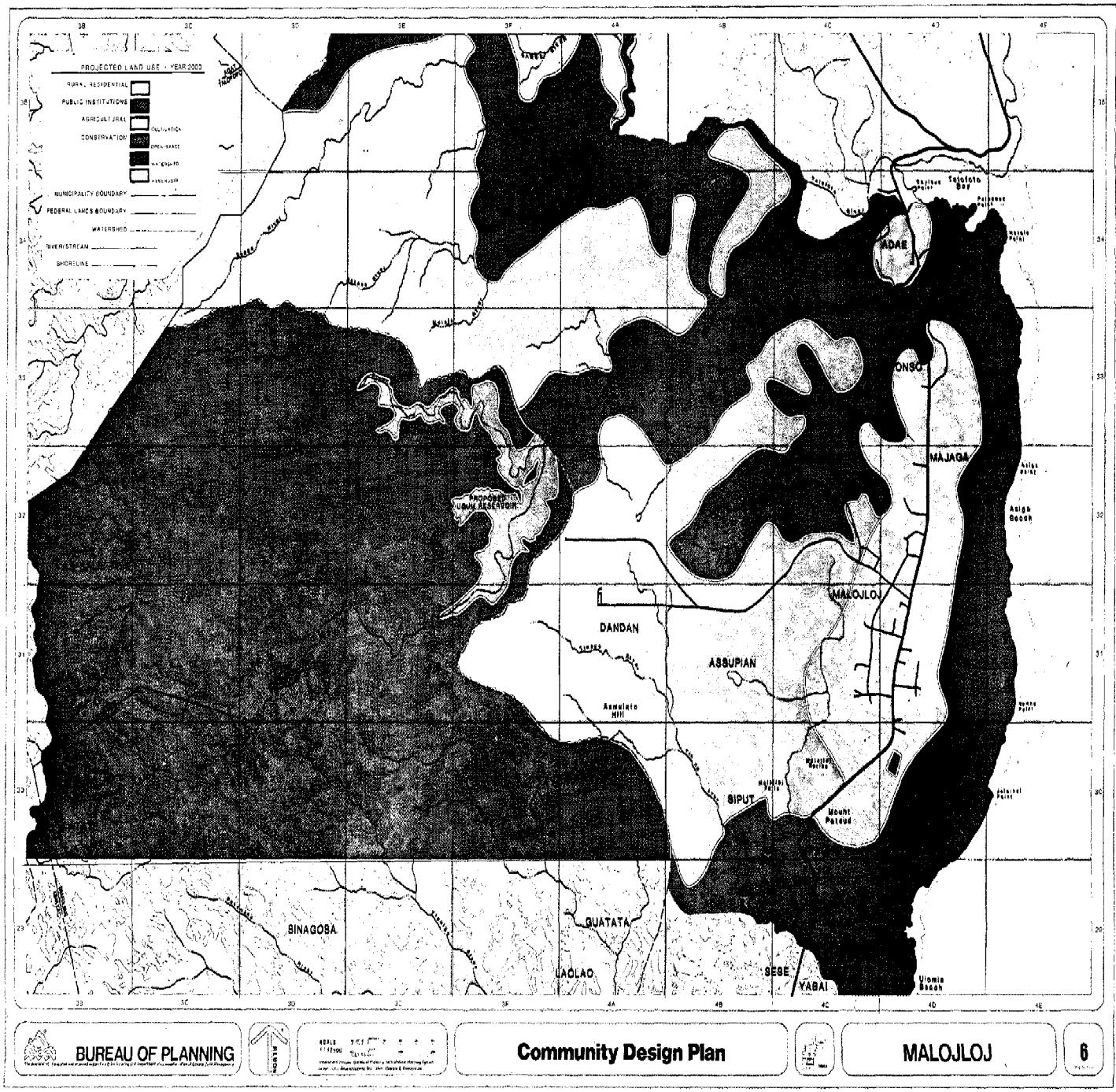
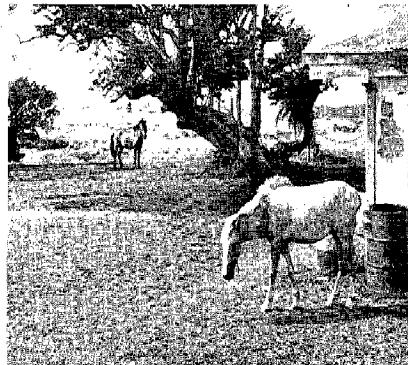
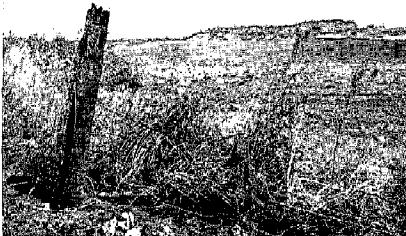


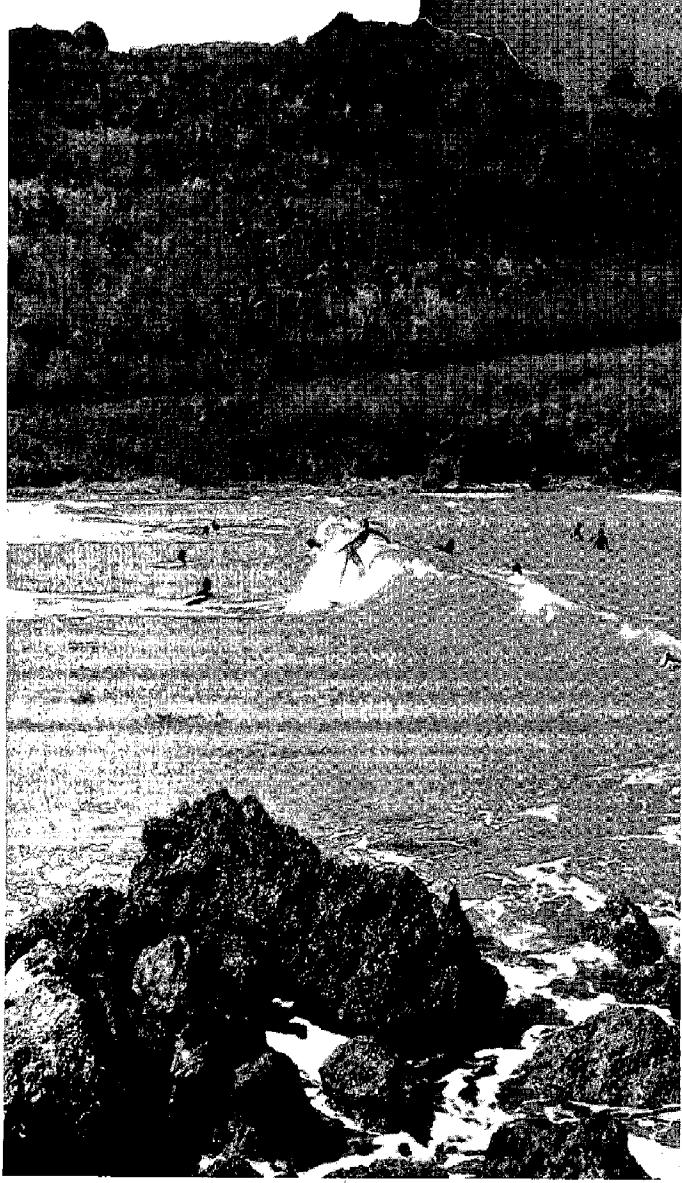
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Community Design Plan  
Bureau of Planning, 1998

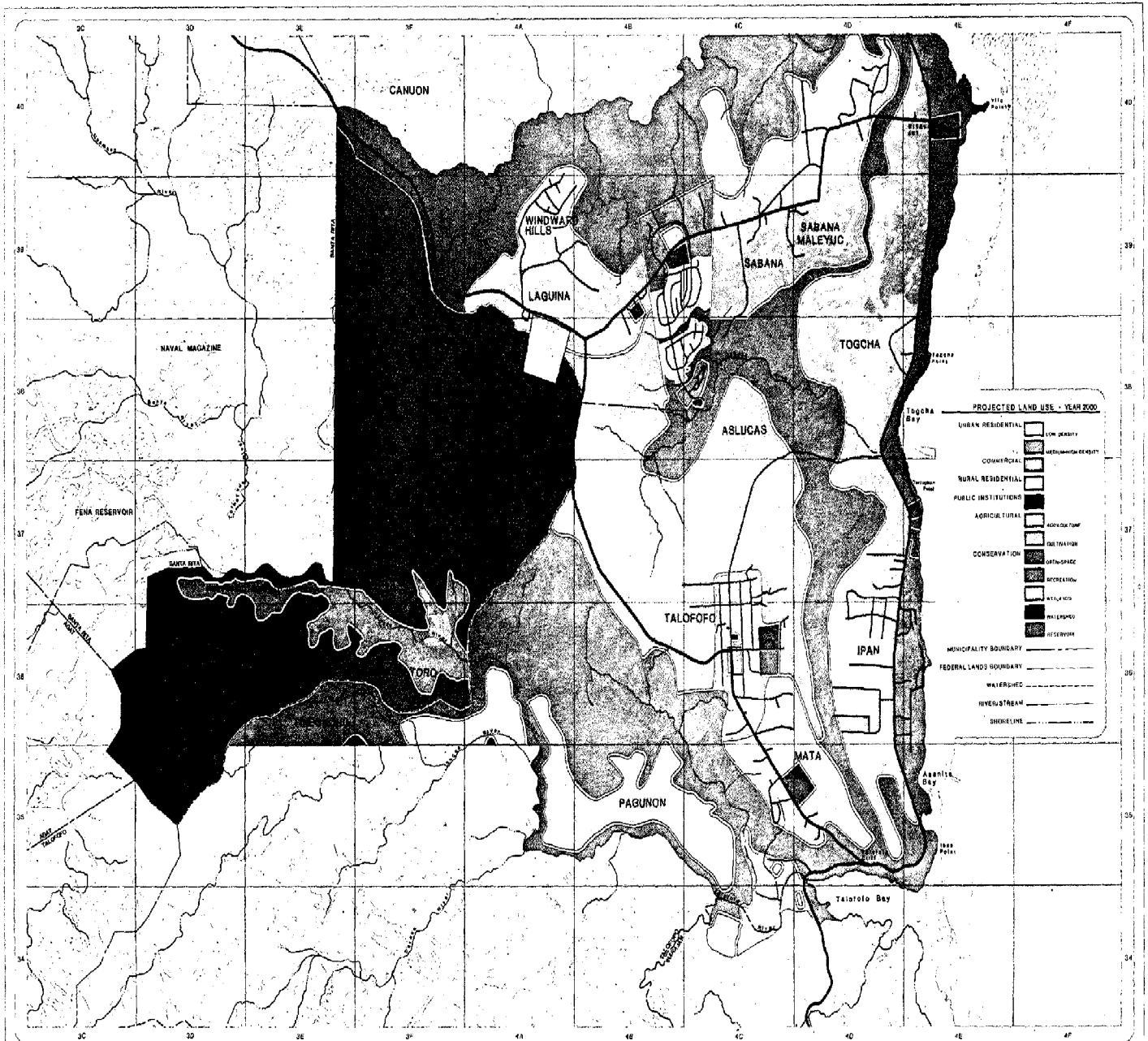
## Community Design Plan

INARAJAN









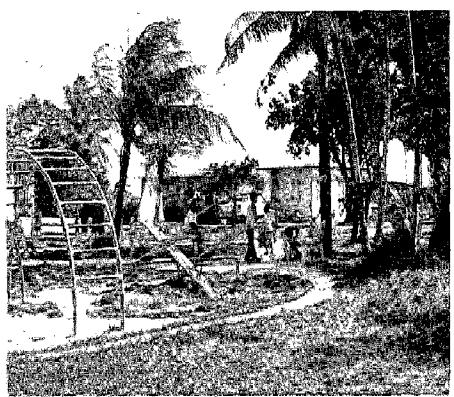
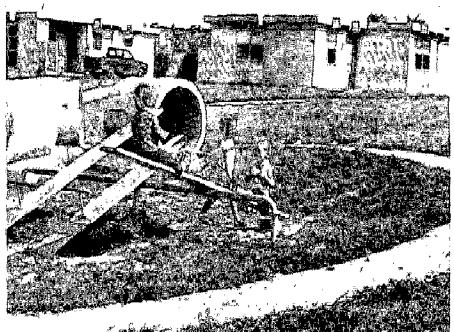
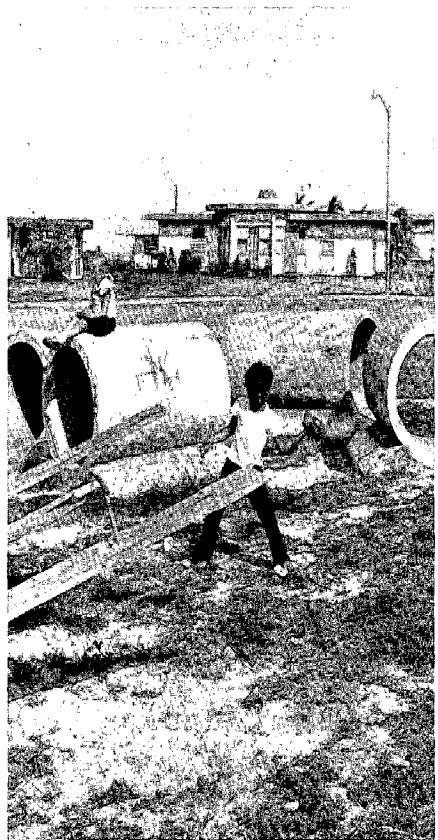
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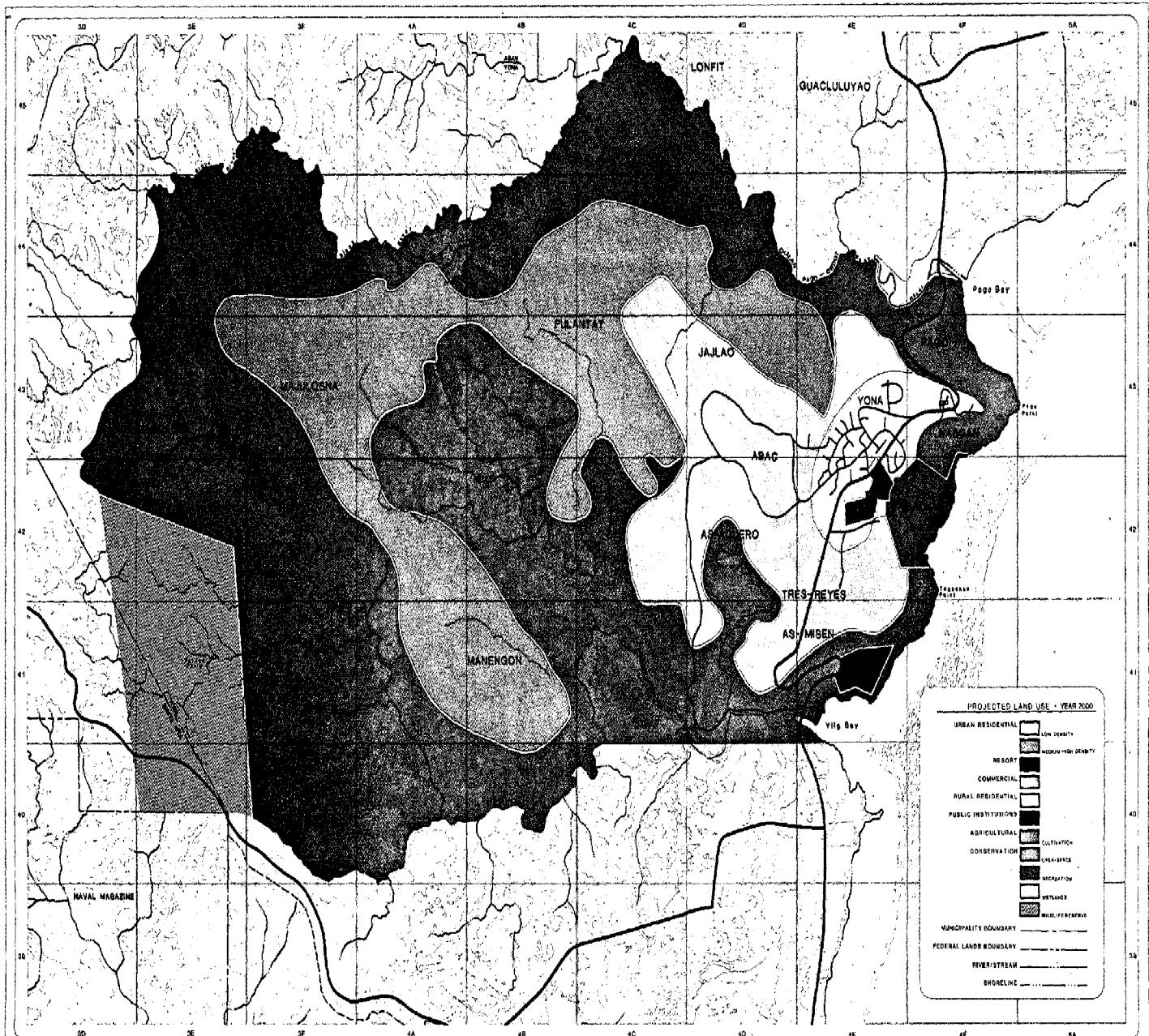
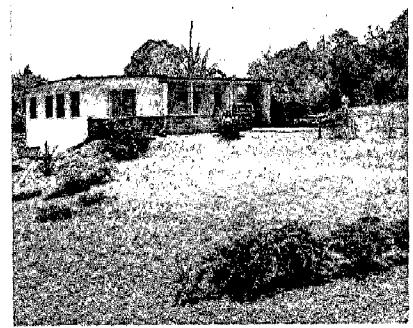
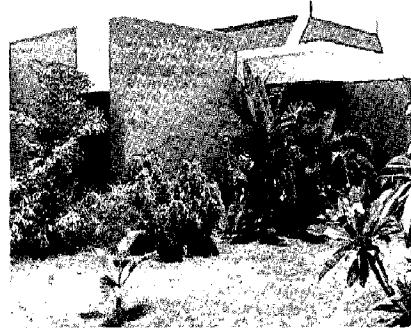


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U.S. Environmental Protection Agency  
U.S. Forest Service  
U.S. National Park Service  
U.S. Soil Conservation Service  
U.S. Geological Survey  
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U.S. Environmental Protection Agency  
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## Community Design Plan

TALOFOFO





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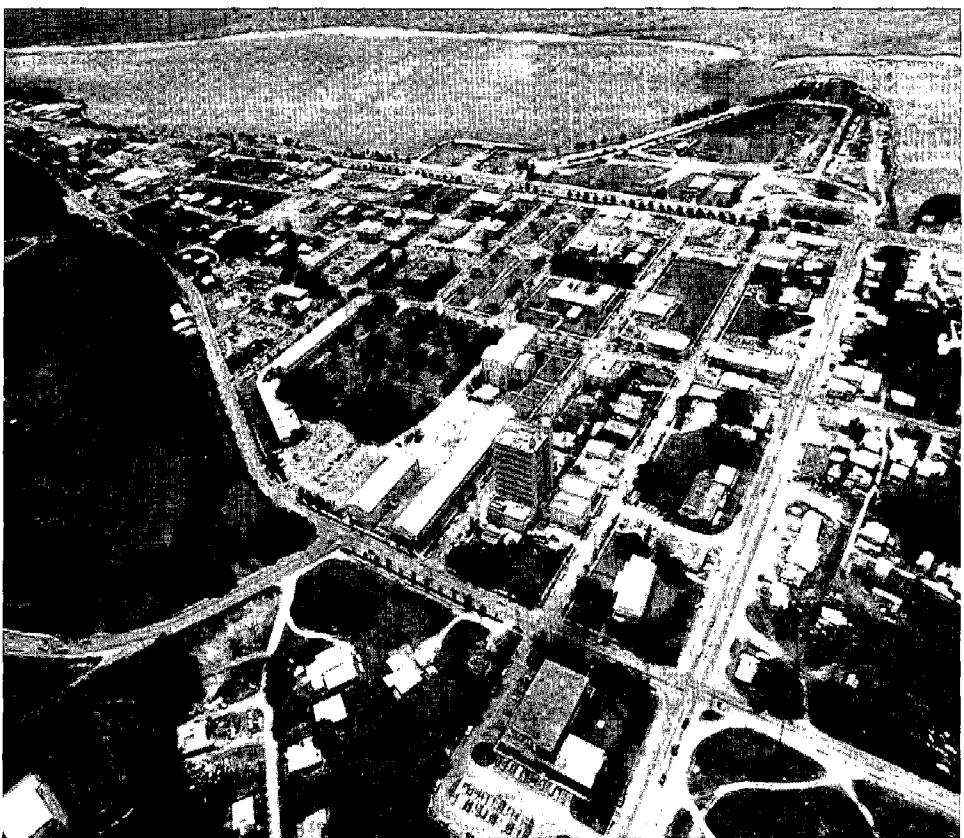
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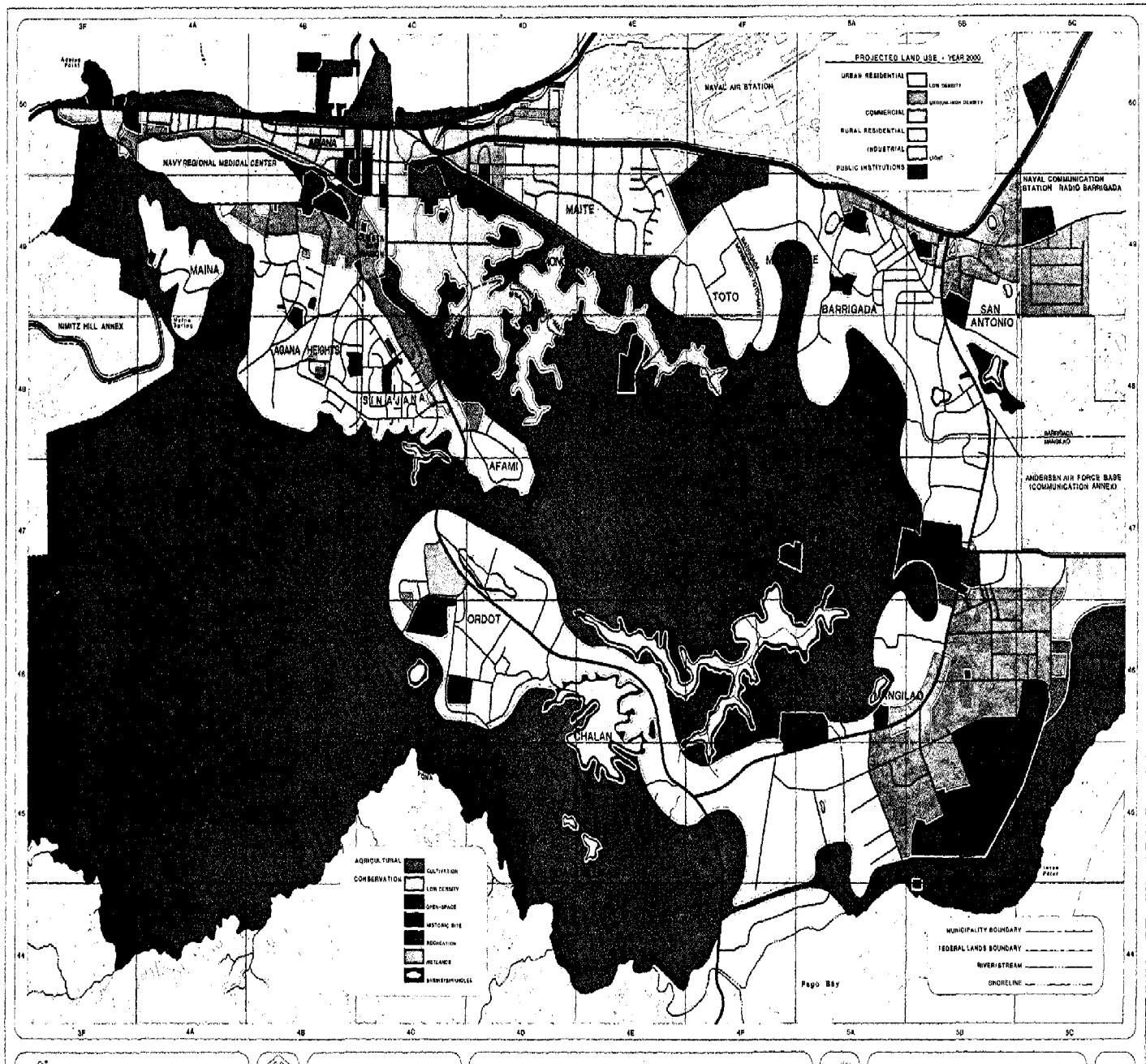
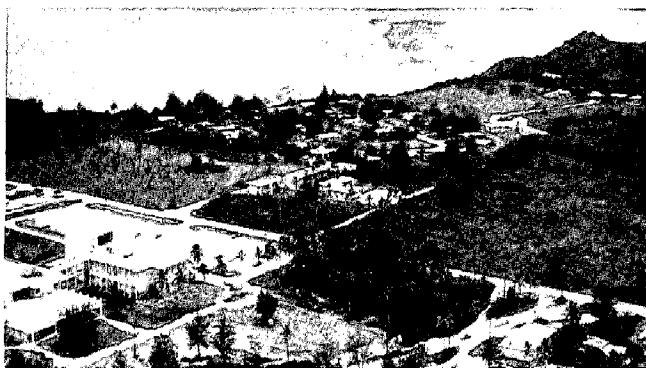
## Community Design Plan



YONA

8





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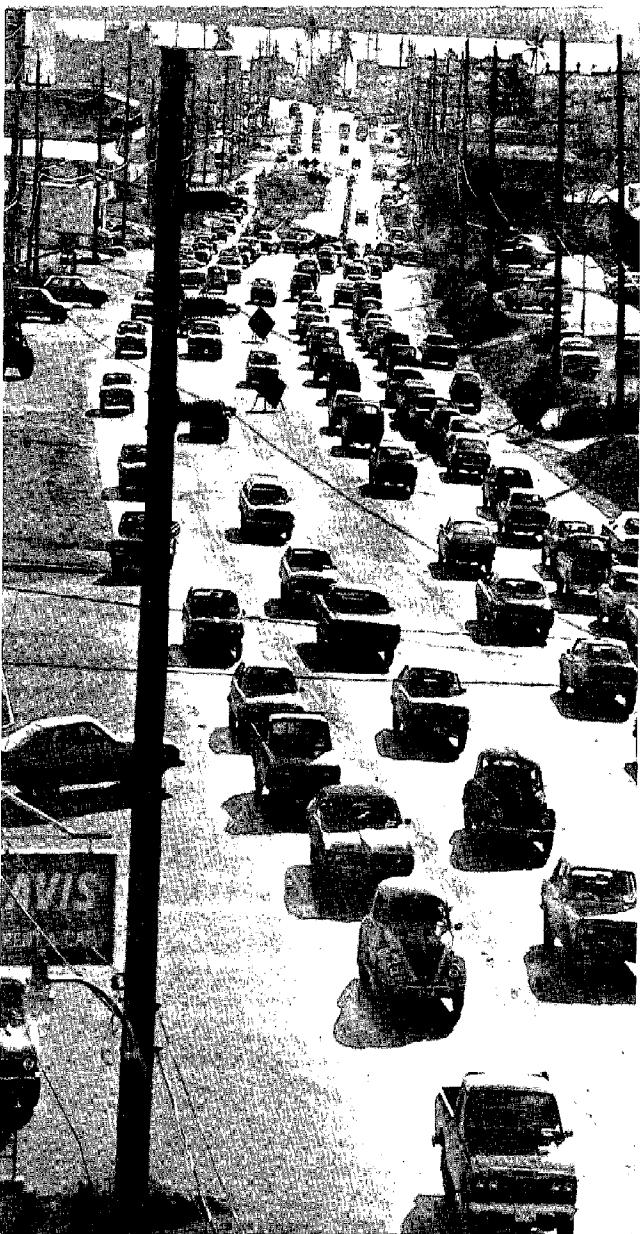
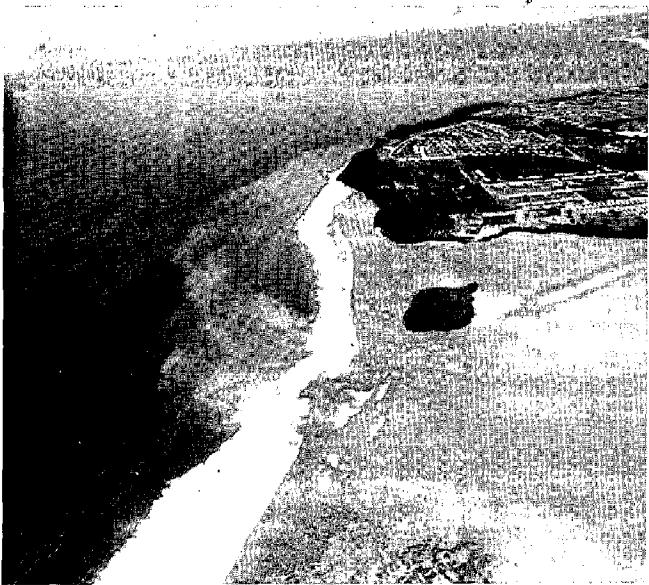
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Guam Community Design Plan  
Department of Planning and Natural Resources  
Division of Land Management, Office of Conservation & Resource Assessment

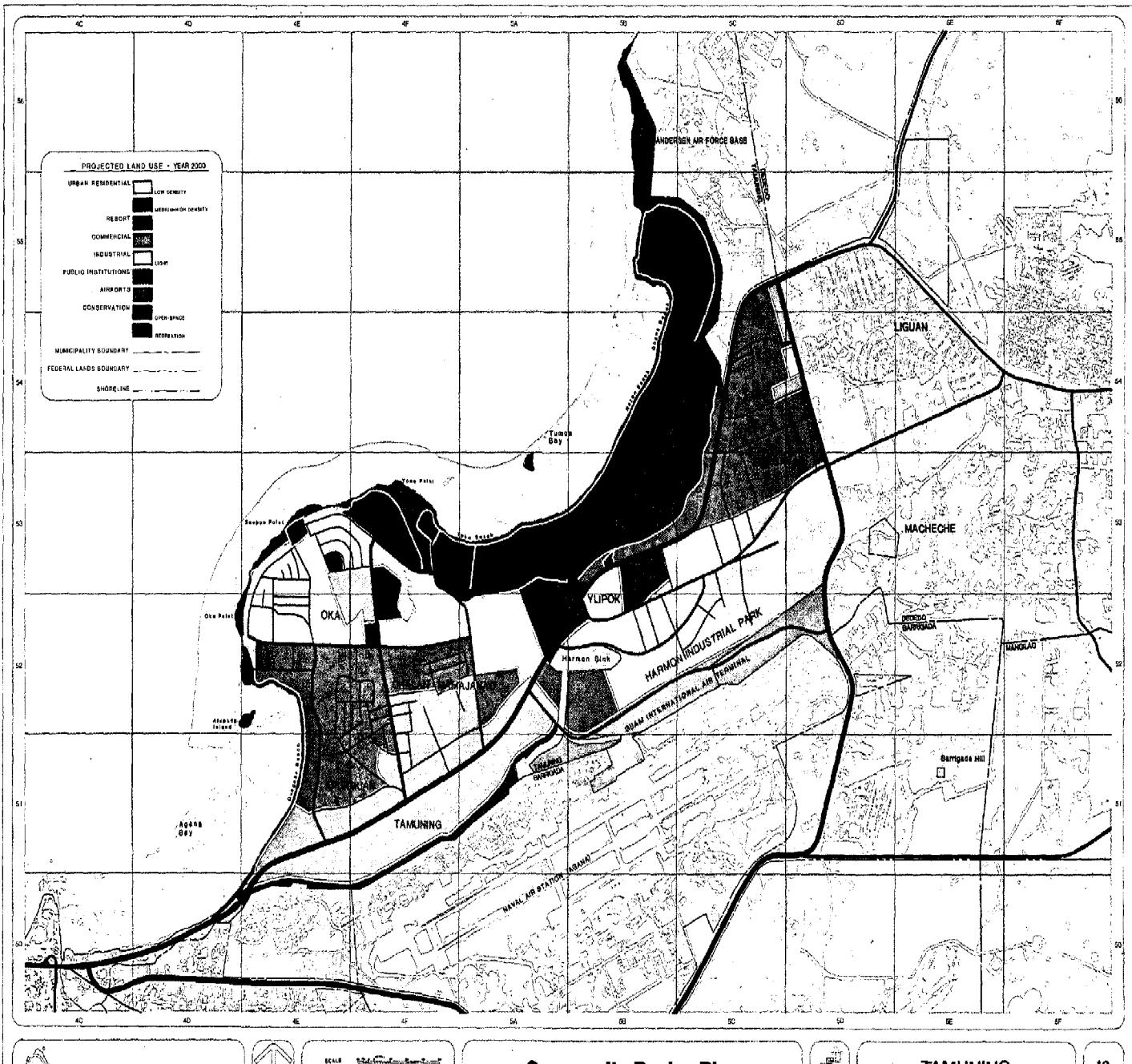
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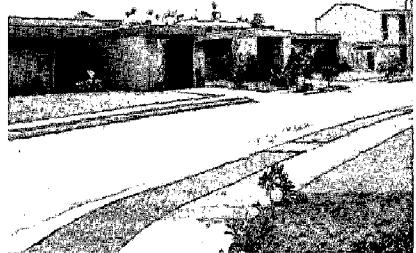
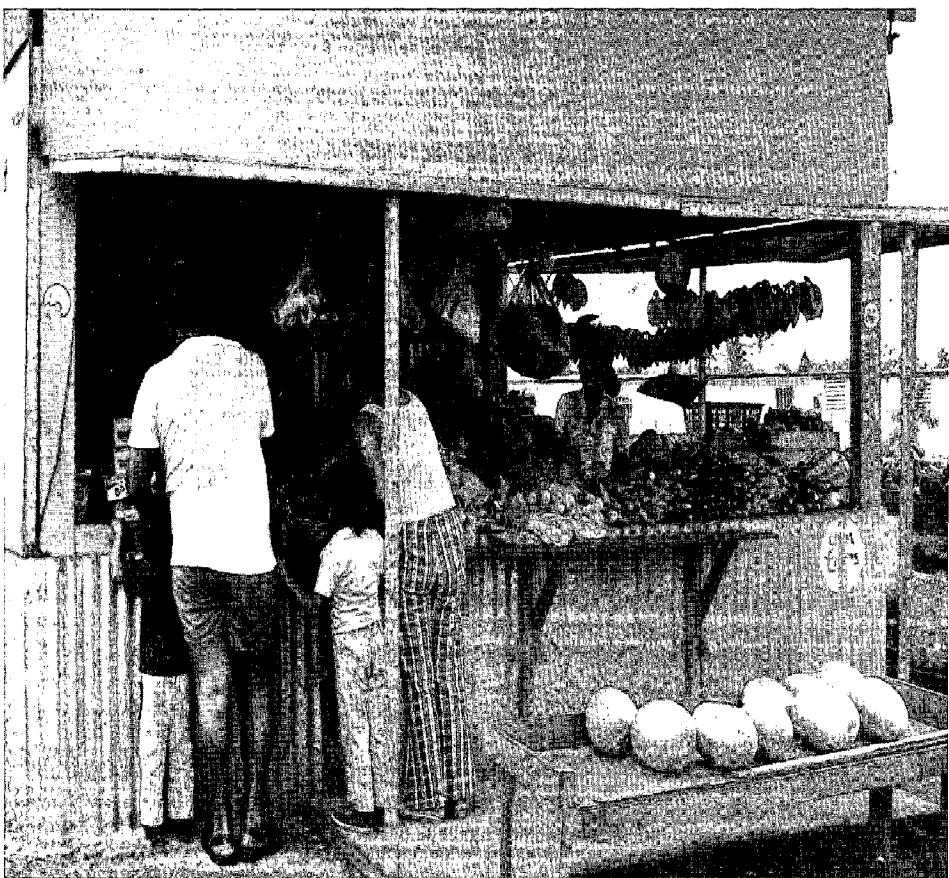


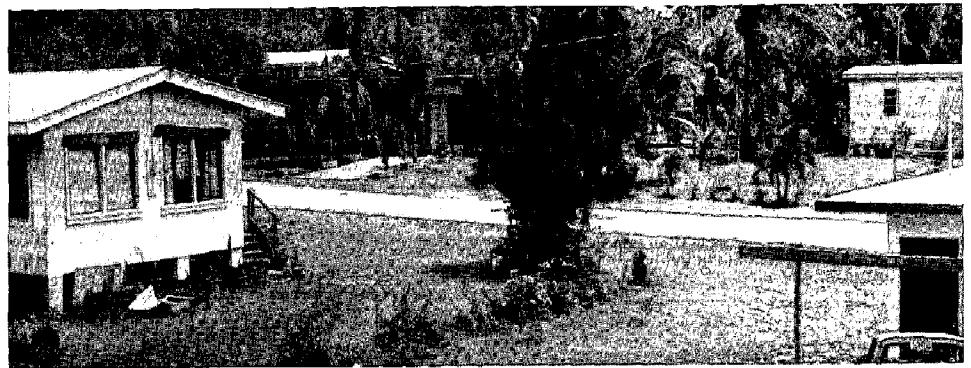
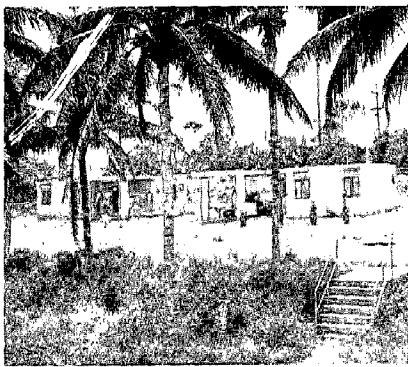
CENTRAL GUAM

9









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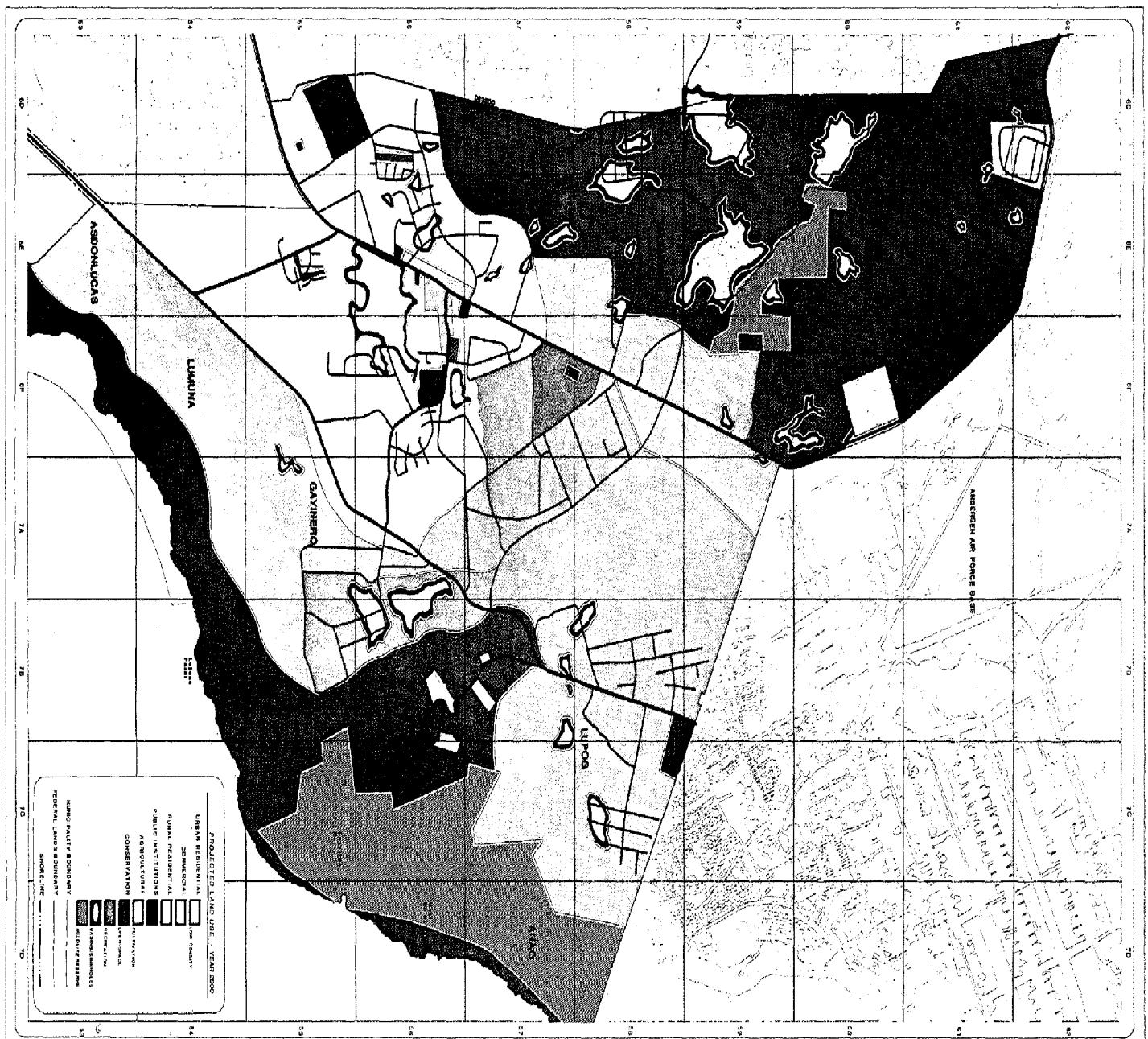
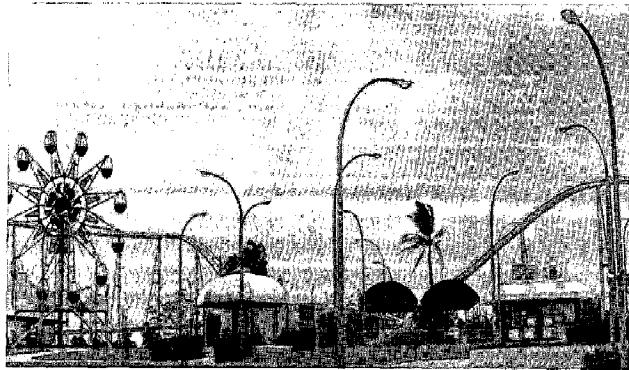


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Total Survey  
Project  
Produced by the Bureau of Planning  
Printed by the Bureau of Planning & Surveying

Community Design Plan

DEDEDO





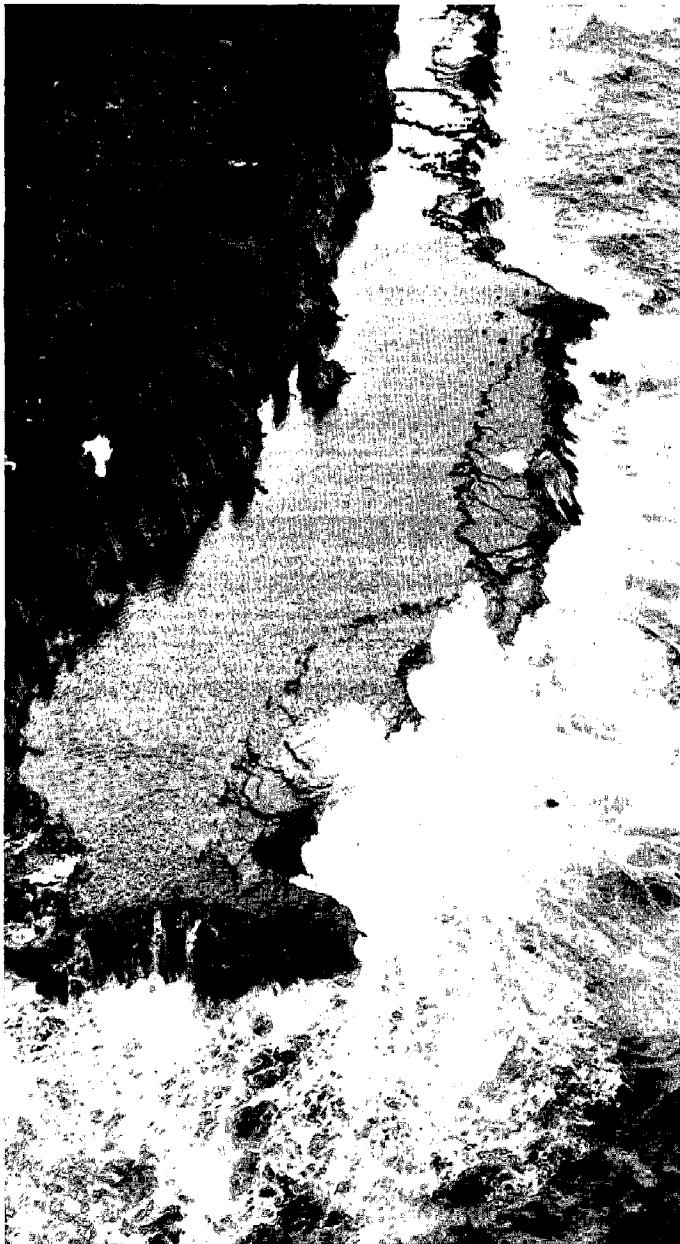
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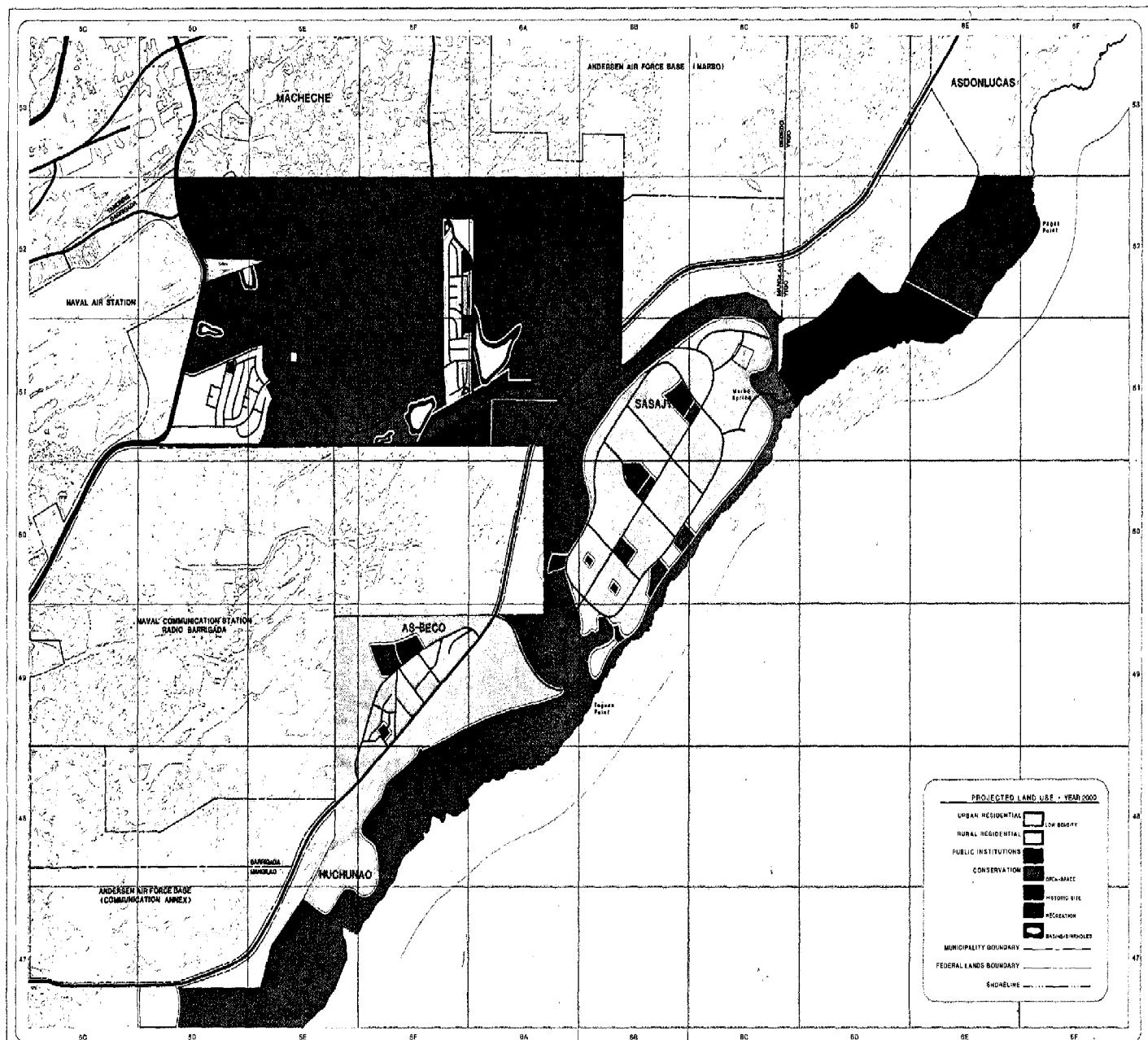
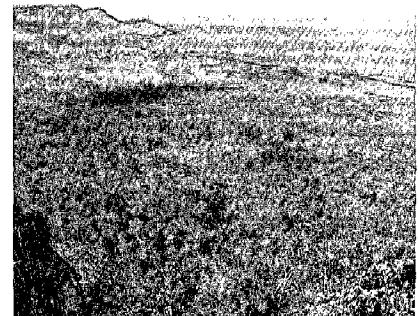
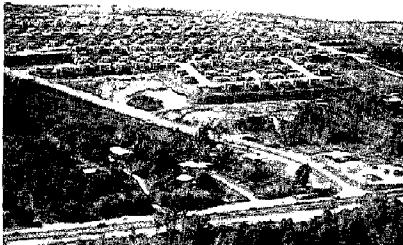
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Department of Planning and Surveying  
Guam, American Samoa, and Micronesia

Community Design Plan

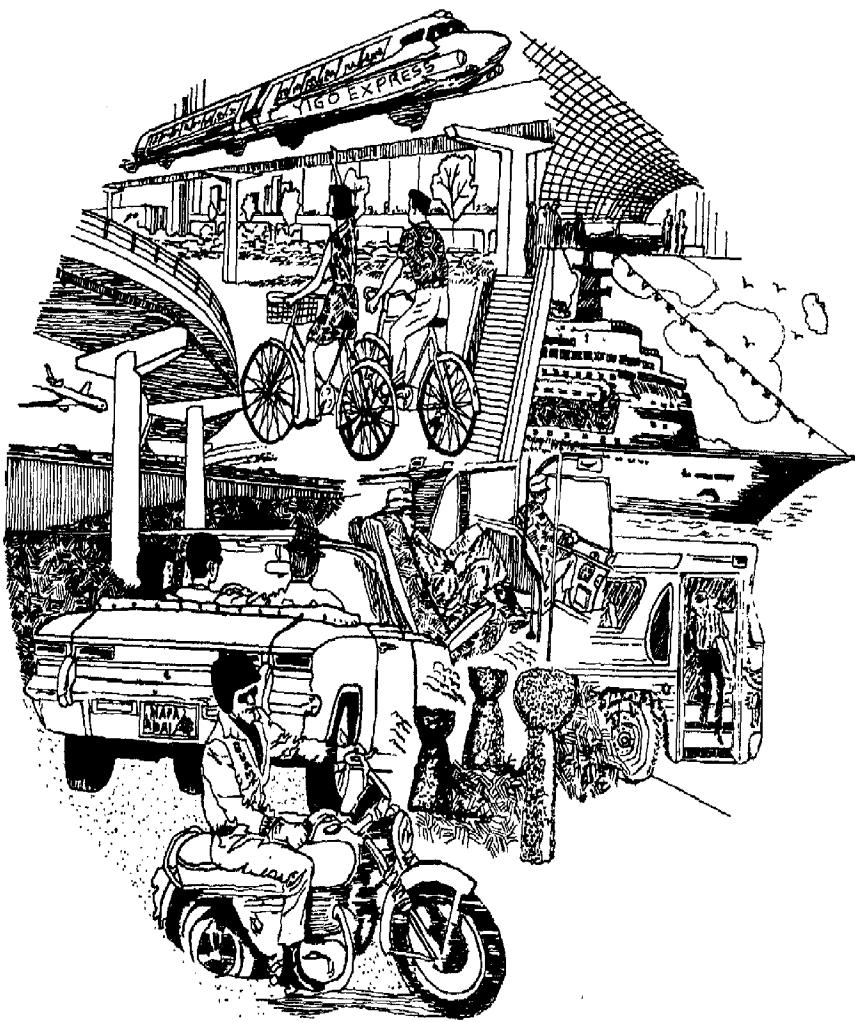
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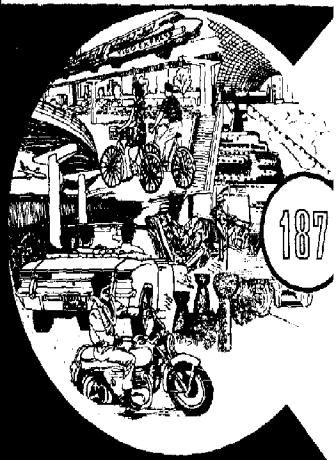


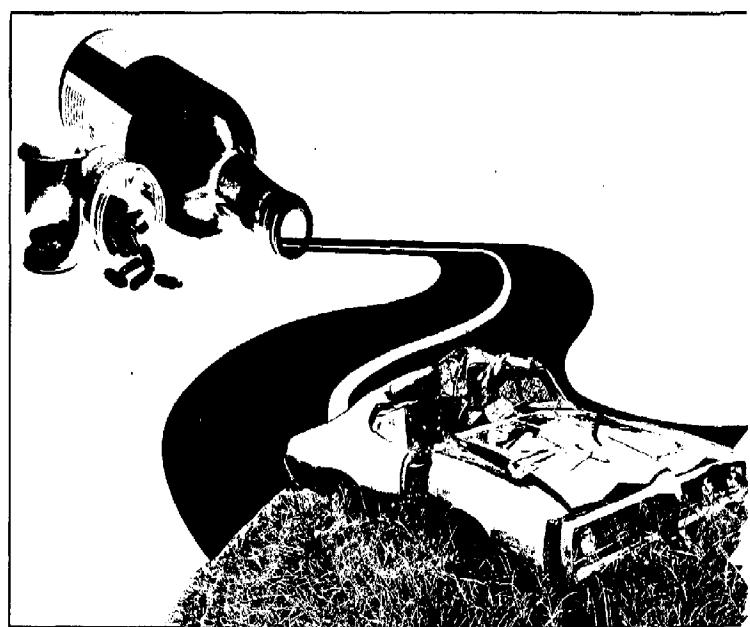
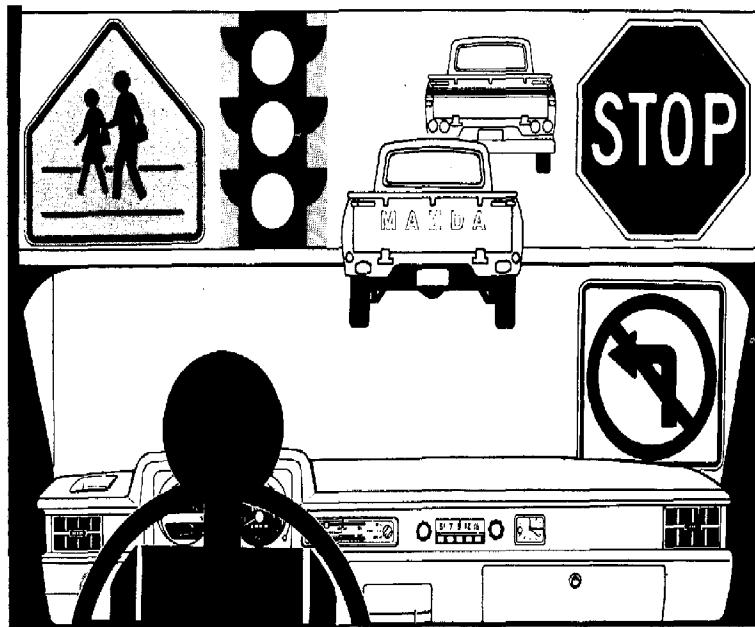
**NOTES:**



*I meneggai-ña gi todū i chalan pa'go na tiempo manhinatsa mas di treinta años mallowan ni Navy para u setbe dies pot siento ha' ni guaha na kantidan kareta pa'go. I kantidan kareta mampos meggai para i guinahan chalan pa'go. Maseha ma'arerekla pa'go i chalan siha, siempre mas motmot i kantidan kareta yan mas apmam na tiempo para magasta i taotao gi chalan yanggen sigi ha' ma'umenta i numirun kareta. I guaha pa'go na planun transpottasion pinatayu ha' manma'a atan i ma'usan i karetan endibiyu'at. Todū i otro siha na modelon transpottasion ti manmakonsidera pat ti dinanche humuyong-ñiha sa' ti ma'emplementa yan maplane'a maolek. Debi Guahan di todū i tiempo u aligao otro modelon transpottasion tat komu dankulo na transpottasion annai siña manma'udai meggai na taotao gi un hinanao, chalan bisikleta yan chalan pat otro fasilitat para i manmamomokkat.*

Most of Guam's road network was built more than 30 years ago by the United States Navy for a traffic volume one-tenth that of today's. The island's limited road system cannot adequately accommodate the present level of motor vehicle traffic. Even with reconstruction, congestion and longer travel times will persist and worsen with an increasing number of vehicles. The private motor vehicle has been the primary focus of transportation and transportation planning. All other alternatives either have been neglected or have failed due to improper implementation and planning. The island will have to increasingly look towards alternate modes of transportation such as mass transit and provision of bicycle and pedestrian facilities.





### GUAM'S TRANSPORTATION SYSTEM IS UNSAFE.

*Rebaha i petsentahin aksidente, chinetrudan yan finatai giya Guahan ginen i mana'-guaha kabales na prugramma ni ha embrabrasa i mana'l'a'metgot yan ma'enfuetsa mas i lai yan manma'eduka mas i pupbliku.*

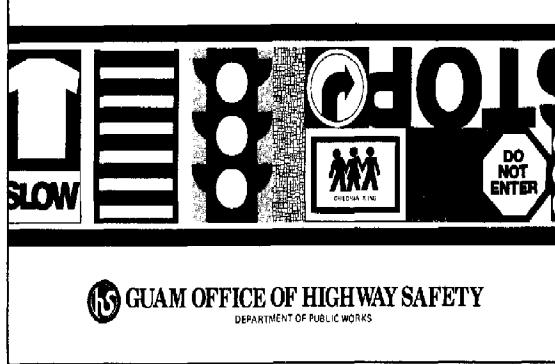
Reduce Guam's accident, injury and death rates through a comprehensive highway safety effort, involving strengthened legislation, enforcement, and public awareness.

Transportation fatality and injury rates are alarmingly high. Guam's fatality rate is 63% higher than the U.S. average. The island's injury rate is 85% higher. Pedestrian and bicyclist death and injury rates are even greater. Reducing these rates will require a number of improvements in highway safety measures, from both the public and governmental standpoint. Highway safety public education efforts must be supplemented in order to improve compliance with motor vehicle and highway safety laws. Legislation needs strengthening to require motorists and passengers to wear safety belts on Guam's public roads. Greater penalties should be imposed for recurring violations of all regulations.

### *I SISTEMAN TRANSPOTTASION GUINI GIYA GUAHAN TI SAFU.*

*I finatai yan i chinetrudan ginen i aksidente pot transpottasian mampos takhilo' ya na' ma'añao. I finatai guini na kondision guaha 63 pot siento takhilo'-ña ki i finatai gi Estados Unidos. Ochenta i sinko pot siento takhilo'ña guini ki i Estados Unidos i manchetrudan pot ginen transpottasian. I finatai gi manbinisikleleta yan i manmamomokkak takhilo'-ña ha' lokkue' ki guihigi i Estados Unidos. Para u marebaha este na kantidan finatai yan chinetrudan, debi di u mana'guaha areklamento pot i inadahin gi ma'usan i kareta parehu ha' gi gubietno yan gi taotao siha. Debi di u masuplimenta i guaha na edukasion para i pupbliku gi sinafu' i ma'usan i kareta gi chalan kosa ki siña mas ma'osge i lai pot ma'usan i kareta gi chalan. Manesisita u mana'l'ametgot i lai ya matago' i sumusugon i kareta yan i manma'u'udai na u ma'usa i korehas para u godde siha. U mana'l'a'atdet i kastigo kada maripiti i ofensa.*

**Let's get it together. This is life.**



*I SISTEMAN TRANSPOTTASION GOF GUAGUAN YA HA DEPENDE GUE' GI / TI MAOLEK MA'USAN-ÑA I MA'IMPOT- TA NA PETROT.*

*Gof guaguan i ma'angokkon i karetan endibyu'at para transpottasian. I regulat na gas-to para u kalamten un kareta guini giya Guahan makatkukula gi \$2,300 kada kareta kada sakkan. Humuyong este mas ki 120 miyon pesos gi sakkan para u fanngalamten todú i karetan Guahan. Ti makuekuenta guini i gaston i mafa'tinas i chalan, i mafa'-maolek i chalan, i mafa'maolek i kareta yan todú ayu na fasilitat ni sumupopotte i kareta.*

*Abiba yan adilanta ayu siha i manefektibu yan baratu na sisteman transpottasian tat komu i mana'guaha separao na chalan bisikleta yan i manmamomokkat, yan otro modelon transpottasian debi di u daña' yan i marebahan i lugat annai mapapark i kareta gi chalan. Prrogramma ni petmanente pat ayu i machagi para eksperensiencia siña ma'usa i lugat ni hihot gi chalan. Siempre manesista un sentro na lugat para mapark i kareta gi siudat.*

*I kareta ha depepende gue' gi gasolina para u kalamten. Kinse pot siento ha na'sesetbe guihu para u falagu ya i pumalu ha u'usa para minaipe yan inaplacha' gi aire. Todú i gasolina yan diso' guini ma'impoppotta gi-nen hiyong. I guaha na laña gi enteru i tano' maékspepeka na u mas takhilo' maprodusi-*

**GUAM'S TRANSPORTATION SYSTEM IS COSTLY AND DEPENDENT UPON THE USE OF IMPORTED ENERGY SOURCES.**

The reliance on the private motor vehicle for transportation is costly. The average cost to own and operate an automobile on Guam is estimated at \$2,300 per auto per year. This amounts to more than \$120 million a year to operate Guam's private motor vehicle transportation fleet. This figure does not include costs associated with construction, highway maintenance, auto repair, parking areas, driveways, access roads or other motor vehicle support facilities.

Separated bicycle and pedestrian paths, a light rail system and other alternate modes which are more effective and less costly should be promoted and developed. The provision of alternate modes should be accompanied by a reduction in on-street parking. Pilot or permanent projects can utilize land adjacent to the existing road systems. More centralized parking within urban centers will be necessary.

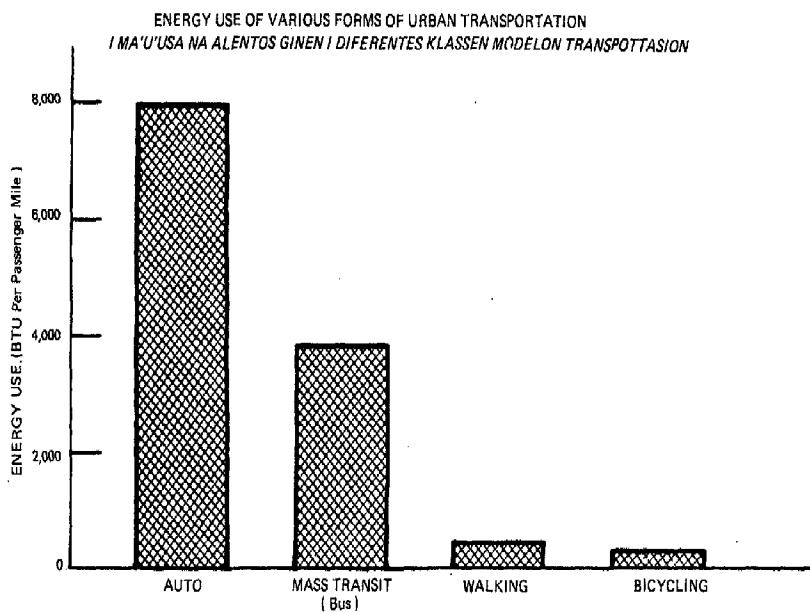
Motor vehicles depend on refined petroleum products to operate. The automobile converts less than 15% of this fuel energy into motion. The remainder is lost as heat and pollution. All of Guam's gasoline and diesel fuel is imported. The world's supply of these fuels is expected to peak between 1982 and 1990, and be economically una-

*Abiba i ma'adilanton otro sisteman transpottasian mientras macho'chomma' i ma'usun i karetan endibyu'at.*

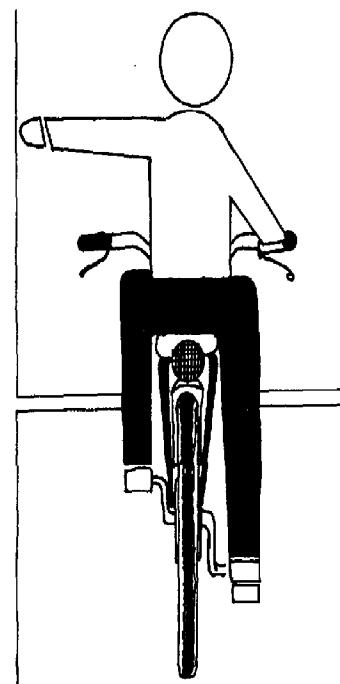
*Establisa un espesiat na fondo para ma'adilanton otro siha na sisteman transpottasian ginan ma'umentan i kontribusion para petrot yan i malisensian i kareta siha.*

Encourage the development of alternative transportation systems while discouraging the use of the motor vehicle.

Establish a special fund for the development of an alternate transportation system, using increased liquid fuel tax and vehicle registration revenues.



Source: Eric Hirst "Total Energy Demand for Automobiles"  
Society of Automobile Engineers, Inc., 1973



*Na'daña' i ma'atahin i mapapark i kareta gi kanton katsada yan i adilanton un sentro na fasilitat para mapark i kareta.*

Limit on-street parking in conjunction with the development of centralized parking facilities.

*Rebaha i numirun kareta ni manma'impota para u alibia i minetmot kareta gi chalan.*

Reduce importation of automobiles to relieve further traffic and road congestion.

available by 2010. The cost of these fuels is projected to rise at a rate of at least 7% per year through 1990, at which time gasoline could cost more than \$2.00 per gallon. Mass transit systems which are not dependent on petroleum fuels and which are the most energy efficient should be fully developed before the year 2000.

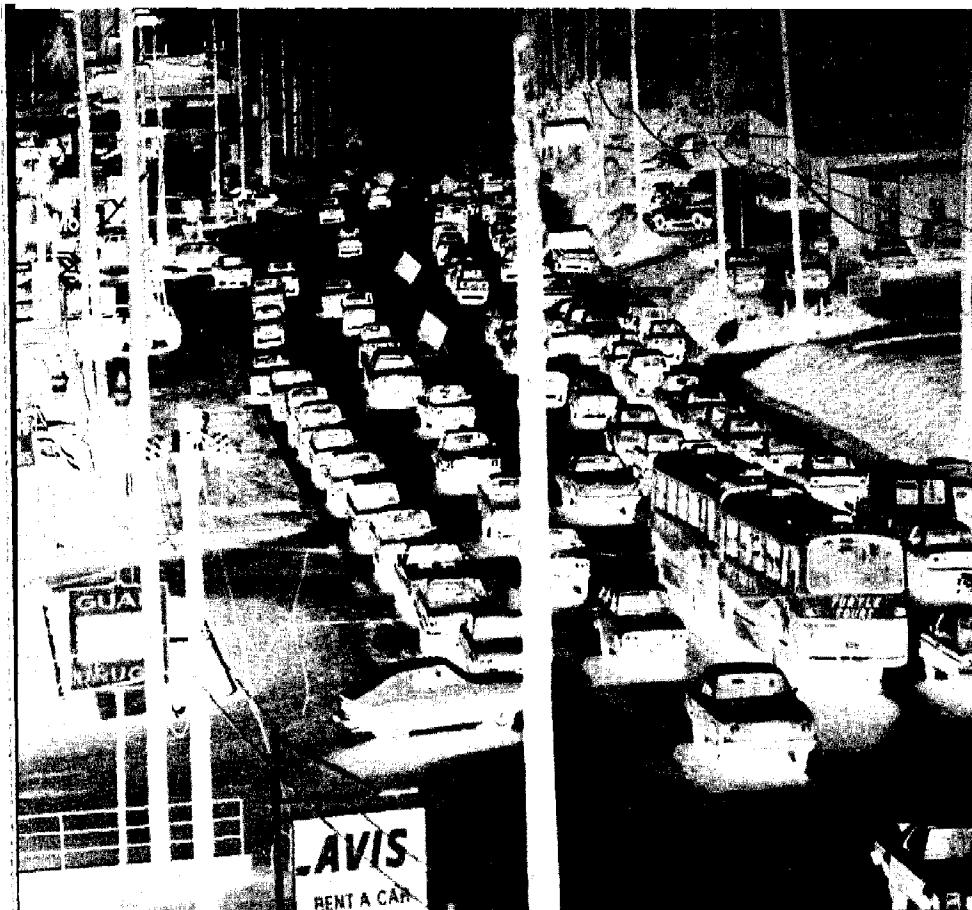
#### THE LAND TRANSPORTATION SYSTEM IS INADEQUATE TO MEET GUAM'S PRESENT AND FUTURE TRANSPORTATION NEEDS.

Guam's limited road network supports more than 260 registered vehicles per mile of road. If all of these vehicles were placed bumper-to-bumper they would fill one lane and almost all of the second lane of every major and secondary road on Guam. Guam's number of registered motor vehicles increased at an annual rate of more than 25% between 1965 and 1975 (compared to 6.2% for Hawaii). Hawaii, which has only 134 vehicles per mile, is considering legislation to limit the importation of automobiles in an effort to reduce congestion. Guam could similarly reduce the number of registered vehicles by half or construct an additional 200 miles of road at a cost of \$200 million.

*ña entre 1982 asta 1990 yan siempre ti u hulat i taotao mafahan gi 2010 na sakkan. I presiun gasolina makatkula na u kahulo' 7 pot siento kada sakkan asta 1990, ya guini na tiempo siña ha' kumahulo' i presiun gasolina asta dos pesos kada galon. I sisteman i dankulo na sahyan ni ha na' farnau'udai meggi na taotao ni ti ha depepende que' gi gasolina yan ti gastado aletons debi di u make'usa antes di 2000 na sakkan.*

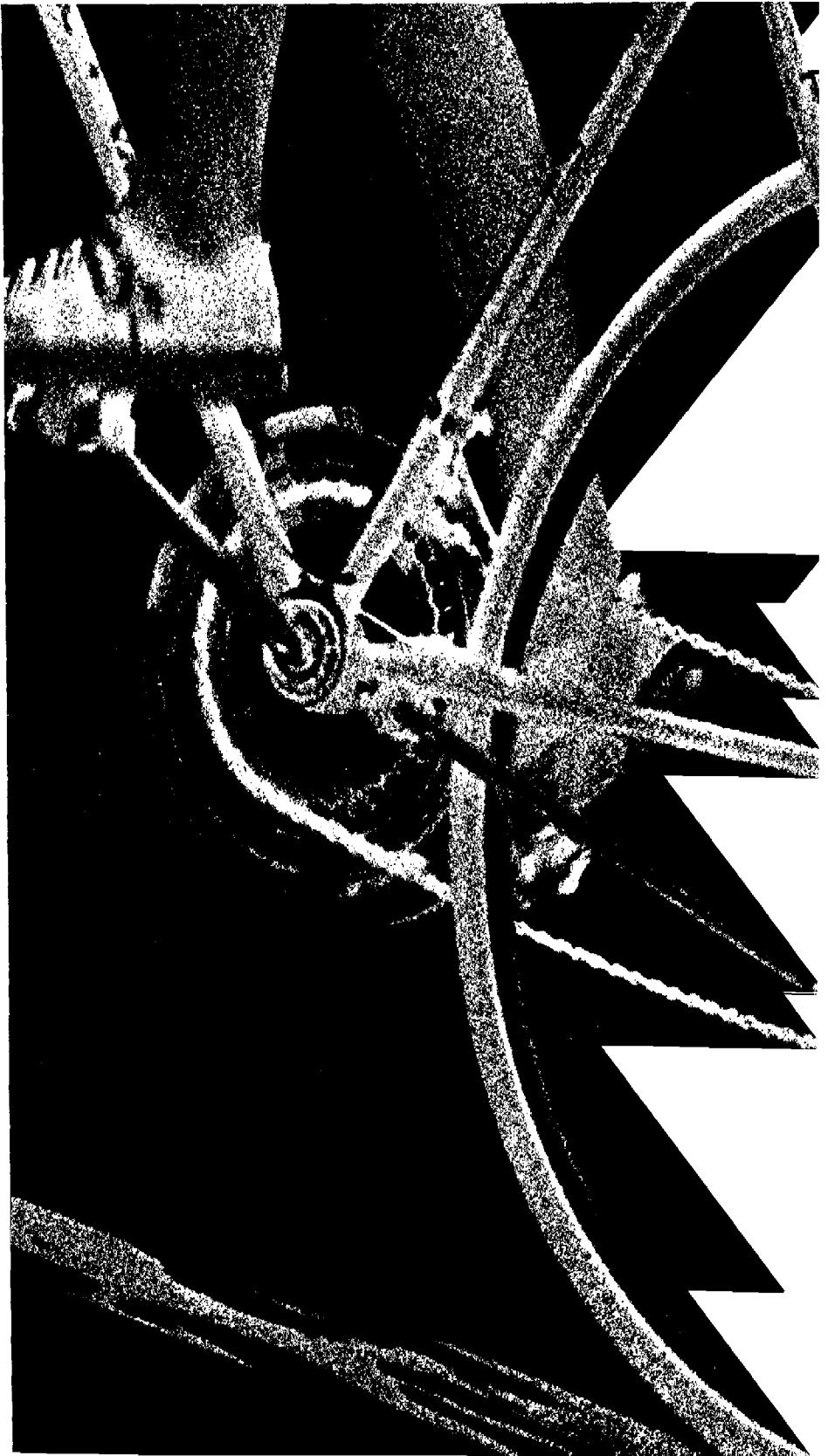
#### I SISTEMAN TRANSPOTTASION PA'GO TI SUFICIENTE PARA U KUBRE I NESISIDAT GUAHAN PA'GO YAN GI MAMAILA' NA TIEMPO.

*I sisteman chalan giya Guahan ha supopote mas di 260 na kareta di kada un miya na chalan. Yanggen todū i kareta mana'fan-a'chetton siempre u tampe todū i un banda yan kahuna' todū gi sigundu na banda gi todū i mayot yan sigundu na klassen chalan gi isla. Entre 1965 asta 1975 na sakkan i numirun kareta ni manmarihista kumahulo' 25 pot siento kada sakkan (ma'akompara este na kantida yan 6.2 pot siento giya Hawaii). Hawaii ni ayu ha' guinaha-ña i 134 na kareta kada miyan chalan, ha konsidera na u mafa'tinas lai para u ma'utot papá' i kantidan kareta ni manmanna'fanahaha-lom ginew otro lugat pot para u ma'atahi i minetmot kareta. Guahan lokkue' siña ha rebaha i numirun i manmarihista na kareta 50 pot siento osino u hatsa 200 miyas mas na chalan ni para u gasta hit 200 miyon pesos.*



*Muchumas, i prisente na sisteman transportasion ti sufisiente sa' ti ha kukubre i nesidat ayu siha i man tai lisenzia, i man tai kareta, i manamko', i manhoben, i man inutet, i mamopble yan meggai na turista.*

Additionally, the existing transportation system is limited in that it does not meet the needs of those without driver's licenses or personal vehicles, the aged, the youth, the disabled, the poor, and many of the tourists.





*Na' lamaolek i kabales na planun chalan yan rebisa gigon ha nesisita.*

Improve and update the Comprehensive Highway Plan.

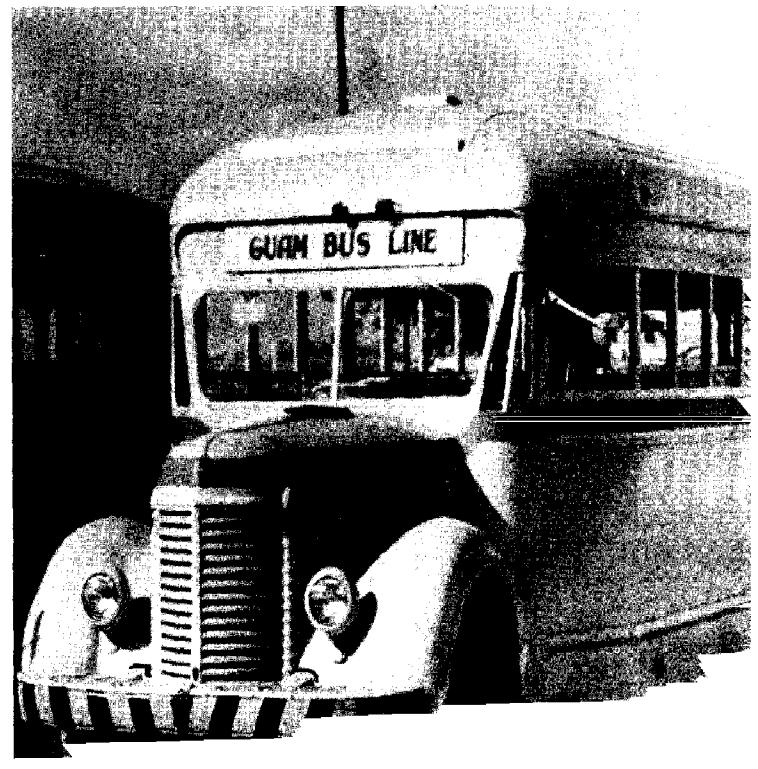
#### TRANSPORTATION PLANNING AND CONSTRUCTION PROGRAMS HAVE BEEN INADEQUATE.

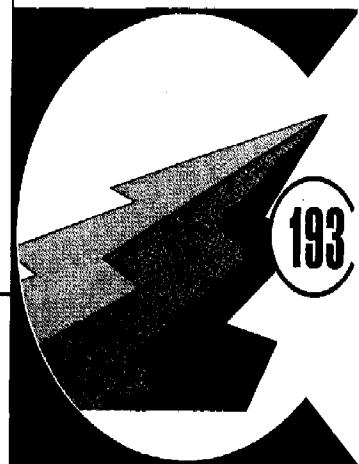
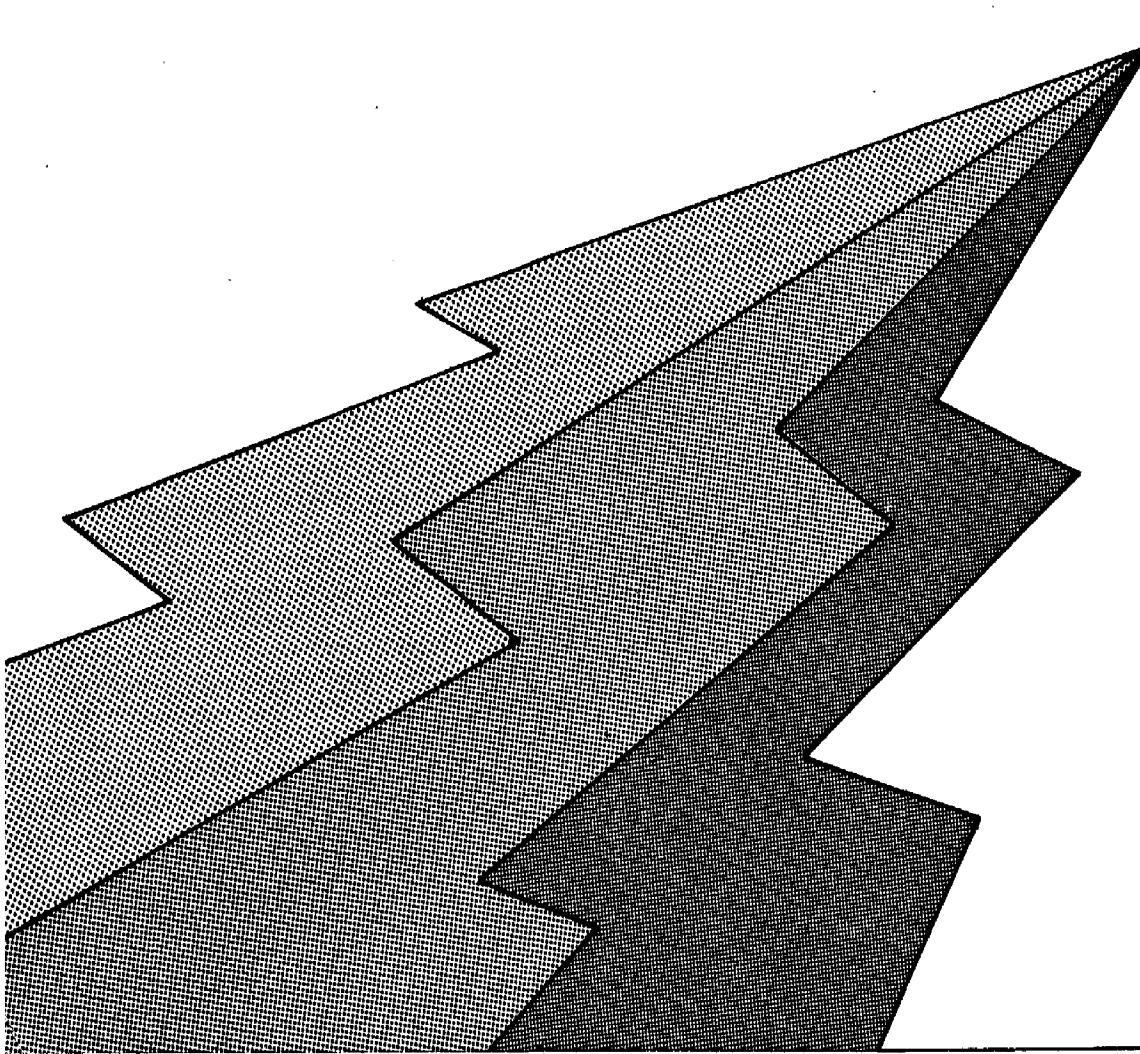
Current highway planning inadequately considers environmental, social, and economic consequences of road construction. Required studies on transportation projects are usually incomplete. The government must develop and implement a comprehensive transportation plan which includes an inventory of Guam's transportation needs, examines alternate transportation systems, and considers the adverse social, economic and environmental impact of the highway reconstruction program. The plan should promote energy conservation, recommend opportunities for the transportation disadvantaged, and recommend a strategy to end Guam's dependence on private motor vehicles.

#### *I PLANUN TRANSPORTASION YAN I PRUGRAMMAN MAMA'TINAS CHALAN TI MANSUFISIENTE.*

*I planun chalan pa'go ti ha konsidedera suficiente hafa siña humuyong yanggen manmanhatsa chalan, gi tano', sosiat yan i ekonomia na banda. Sesso ti man kabales i manesisita na estudiu pot manhatsan chalan. Debi i gubietno di u na'guaha yan u emplementa kabales na planun transpottasian ni ha embrabrasa i imbellariun i nesisidat-ña Guahan gi transpottasian, ha eksamina otro klassen sistema yan ha konsidera i efektan-ña ha gi sosiat, i ekonomia yan i tano' na banda. Este na planu debi di u abiba i mañau'tas i ma'usan alentos, rekomenada opotunitat para u ma'alibia i probleman ayu siha i man tal transpottasian yan u rekomenada un estratehia para mana' para i tao-tao Guahan dumipende siha gi karetan endibiyu'at.*

*Manmalakmanu todú i bus?  
Where have all the buses gone?*





*Guahan ha' depepende gue' gi petrot para alentos-ña i estaon i hanom, transpottacion, kandet yan i muna'fresko i halom guama'. Todu este ha depepende siha gi milalak i petrot halom Apla.*

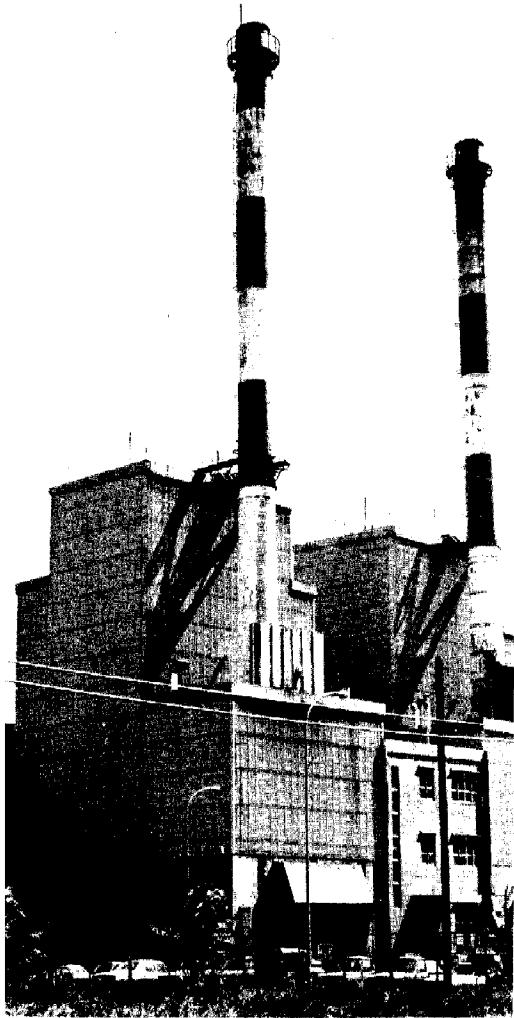
*Kasi kuatro años tatte, i taotao maekspernsia i pumaran riainon i humalom petrot. I inangokkon Guahan gi petrot siempre mas grabbe na kondision antes di u fakpo' este na siklo.*

*I guaha na resetban petrot esta lumala didide'. Makatkula na gi 1980, i tano' u komple i mas takhilo' na produktion petrot. Pa'go, ha chuchule' Guahan i petrot ginien i Persian Gulf. Siña tumaya' petrot-ña Guahan gi manmamaila' na tiempo, komu sumen guaguan i presiun-ña pat hokok i guaha na petrot gi todú i tano'. Ti siña ta ataha i kahuloi'-ña i presiun petrot. Hafafana' Guahan un predikamento pa'go ya este na predikamento siempre u la'addet. Este na kapitulo ha indidika i manera-siha annai siña Guahan ha pripara gue' para u alibia i predikamenton alentos.*

Guam depends entirely on petroleum as its source of energy. The maintenance of the island's water supply, its transportation system, its airconditioning and lighting, all depend on the flow of petroleum through Apra Harbor.

Four years ago, island residents experienced disruption of that flow. Guam's dependence on petroleum will be even more seriously threatened before the end of the century.

Existing petroleum reserves are being rapidly depleted. The peak world production is estimated to occur in the 1980's. Guam's oil currently originates from the Persian Gulf area. Significant disruption in our supply may occur either because petroleum becomes too expensive or it is exhausted as a worldwide energy resource. Significant annual increases in the cost of energy are inevitable. Guam faces a crisis now and this crisis will intensify. This chapter outlines the means to address Guam's critical energy dilemma.

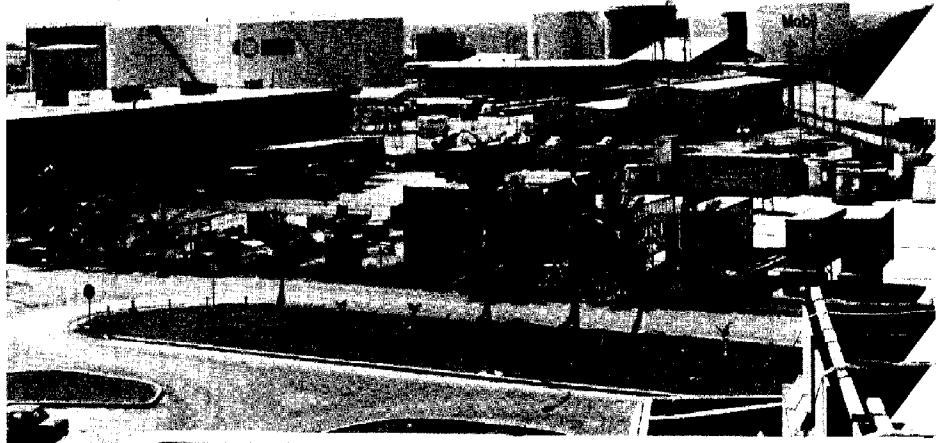


Fa'tinas yan emplementa un planu para i ma'adilanton i guinaha na alentos.

194 Na'guaha empeñu para u abiba i ma'usan otro guinahan alentos yanggen siña mana-setbe.

Formulate and implement an energy resources development plan.

Provide incentives that encourage the utilization of alternate energy resources as they become available.



#### ALTERNATE SOURCES SHOULD REPLACE PETROLEUM IN MEETING GUAM'S ENERGY REQUIREMENTS.

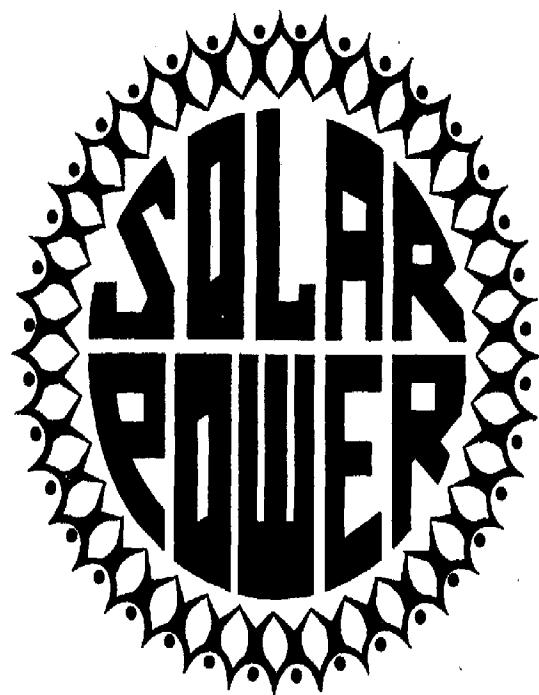
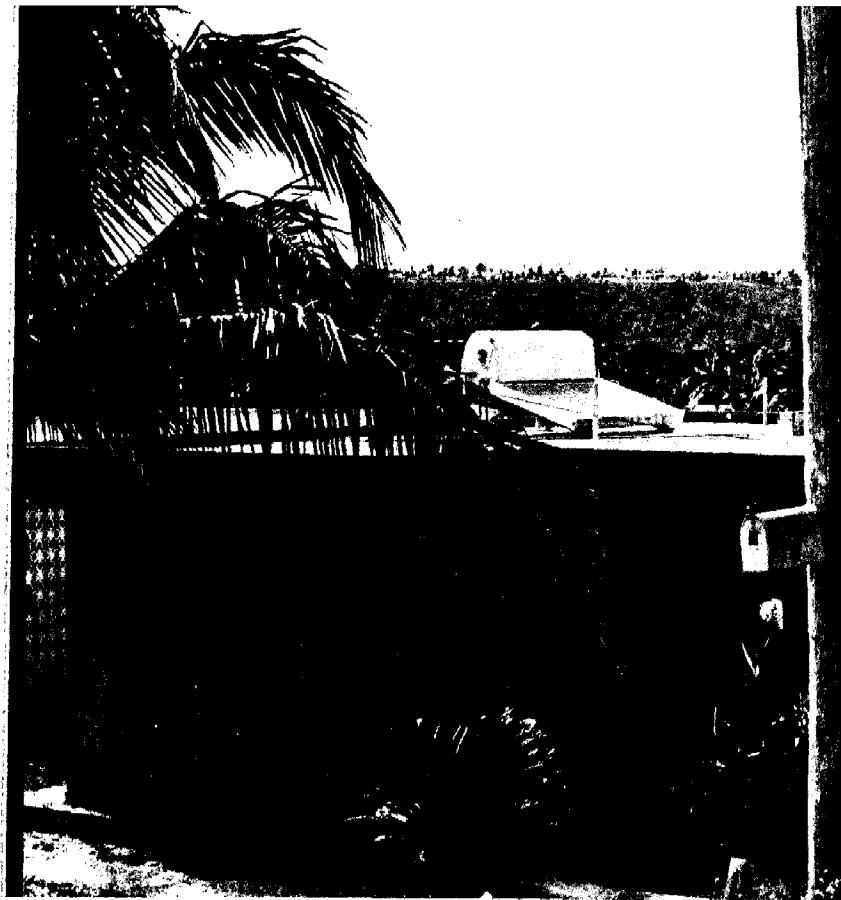
Alternate energy resources will replace petroleum as the world's supply of petroleum diminishes. New fuels can and must be introduced into the market. Synthetic fuels from waste and biomass, geothermal heat, and many forms of solar energy can have a substantial impact on Guam's energy situation between the years 1985 and 2000.

#### OTRO HALE' ALENTOS DEBI DI U TAHGUE' I PETROT YANGGEN PARA U MAKUBRE I NESISIDAT GUAHAN.

Mientras humohokok i guinahan i tano' na petrot debi di otro hale' alentos u tinahgue. Nuebu ha klassen alentos debi di u fanma'introduusi. Guaha na alentos siña mafa'tinas ginan i basula, matai tinanom, taki taotao yan ga'ga', minaipen i tano', yan ginan i atdao, ya siña este siha na alentos u kubre patte gi nesisidat i isla desde 1985 asta 2000 na sakkan siha.

To reduce its vulnerability to increasing energy costs and fuel supply disruption, Guam must develop its abundant natural energy resources. One of the best potential ocean thermal energy conversion (OTEC) sites in the world is located on Guam. The island has the potential for extensively utilizing solar radiation since it receives about one-third more solar radiation per square foot than the U.S. average. Guam enjoys ample trade winds, waves, and ocean currents, as well as a high degree of geothermal activity. Other than a few solar water heaters and wind generators, the island has failed to develop and utilize these tremendous energy resources. As the prices for foreign fuel rise, these renewable energy resources will necessarily be more fully utilized.

Para u marebaha i dañun i masubidan i presiun petrot yan i atboroto gi milalak-ña, debi Guahan di u fa'tinas empeñu ya u na-setbe i meggai na mannatrat yan pusipible na alentos ni guaha. Gaige Guahan gi mas pusipible yan mas faborapble na sitio para siña u machule' i minaipen yan minanéngeng i tasi ya u mafa'alentos. I isla pusipible abundansia na alentos siña machule' ginan i ininan i atdao. Kasi tetset mas meggai i ininan i atdao Guahan ki Amerika. Debi di u aprobecha Guahan i meggai na manglo', napu' yan kurrenten tasi parehu ha' yan i meggai na minaipen tano'. Fera ki ayu i didide' na taotao ni muna'marnaipe i hanom-ña ha' ginan i atdao, pat manma'titinas elektrisidat ginan kurrenten manglo', i isla ti ha atbabansa i ma'usan i taihinekok na manglo' yan atdao para alentos. Mientras kumahuhulo' i presiun petrot, este siha na hale' alentos ni siña manmarnueba nesisariu na mas u mana'fansetbe.



I atdao un taihinekok na hale' alentos ni siña ma'usa para manna'maipe hanom yan mana'fresco halom guma'. Entre todou i hale' alentos ni guaha Guahan, i atdao para manna'maipe hanom yan mana'fresco halom guma' mas siña chaddek pusipble gi manmamaila' na dies años. Esta i mana'maipe hanom ginen i atdao mankompetensia gi presiu ki i ginen i elektrisidat yan ginen i gasolina. I ininan i atdao siña mafaelektrisidat. Este na klassen alentos hagas ha' ma'usa gi space program, ya siña ha' mafahan lao mampos guaguan pa'go achok ha' maékspepekta na siña tumunok presiunña. Para u matutuhon ma'usa este gi gima' taotao siha yan i kometsiante gi duranten 1985 para mo'na. I elektrisidat ni maprodusi ginen i atdao manananga na u siknifikante ma'usa-ña gi gima' Guahan siha gittimon i 1980 na sakkán.

The sun is an inexhaustible source of energy that can be used to heat water or provide energy for air conditioning systems. Of all the alternate energy options available for development on Guam, solar water heating and solar air conditioning systems appear to be the most promising over the next decade. Already solar water heaters are cost competitive with electric and liquid petroleum gas water heaters for many residences and businesses. Solar cells, or photovoltaics, directly convert sunlight into electricity. They have been used in the space program for a number of years, and are commercially available, although very expensive. However, the cost of solar cells is expected to decrease considerably. Initial residential and commercial use of solar cell systems is expected to occur in the mid 1980's, and solar cells are expected to be a significant residential power source on Guam by the late 1980's.

*Abiba todou nuebu na kinahat para u na' setbe i makinan muna'maipe hanom ginen ininan i atdao yan otro klassen sisteman alentos komu faset mafahan-ñiha.*

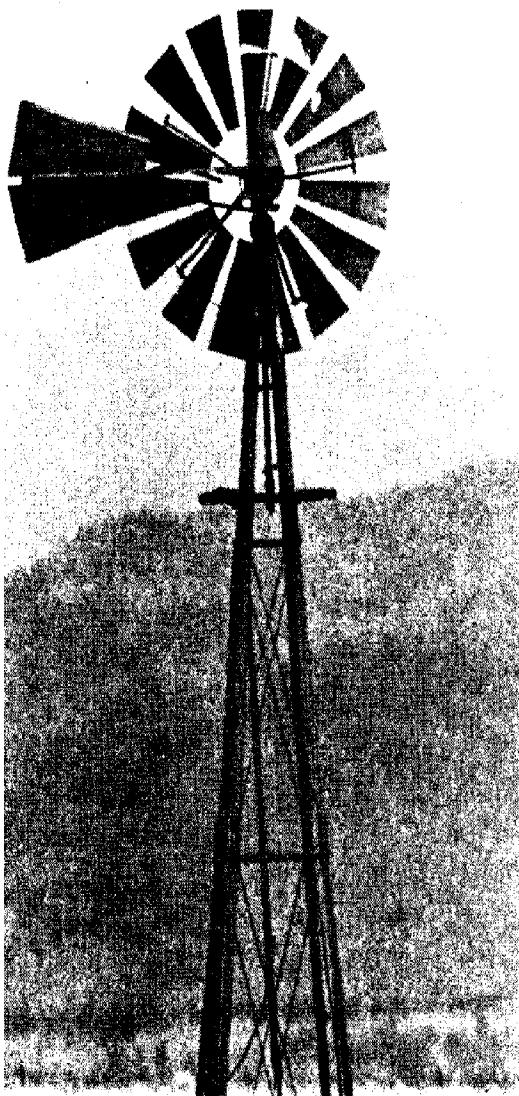
*Atbansa umeduka i pupbliku pot i minao-lek ma'usan otro guinahan alentos siha.*

*Emplementa programma para u enfotma yan u fanu'e i pupbliku ni i guinaha yan i bintaha na alentos ginen i atdao.*

Encourage all new construction to include solar water heating and other alternate energy systems as they become economically competitive.

Promote public education of the advantages of using alternate energy resources.

Implement a public information program demonstrating the availability and advantages of solar cells and other solar energy systems.



*Na'annok na pusipble i ma'usan-ña i minai-pen yan minanengheng i tasi para u fanprodusi elektrisidat ginen i mahatsan un fasilitdat.*

*Embestiga i ma'usan i napu para hale' alettos giya Guahan.*

*Atbansa i mafa'tinas makina ni ha na'sesetebe i manglo' para manprodusi elektrisidat ni siña ma'usa gi un guma'.*

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Demonstrate the feasibility of the OTEC concept through construction of an operating plant.

Investigate the potential of wave energy utilization on Guam.

Promote the development of residential-size wind generator systems.

Ocean thermal energy conversion (OTEC) systems utilize the enormous, but diffuse, quantities of heat collected and stored in the ocean to generate electricity. Ocean thermal systems use warm surface water to heat a liquid, such as ammonia, causing it to vaporize and turn a turbine connected to an electrical generator. Cold water from the ocean depths condenses the vapor, and the cycle is repeated. OTEC shows the greatest promise of all the energy alternatives available to Guam. Land-based OTEC plants are expected to provide electricity for the Guam Power Authority in the 1980's. Such plants are likely to replace the existing islandwide power system plants in the 1980's and beyond.

Ocean waves contain an enormous amount of energy. The harnessing of this energy source for electrical power production is feasible. Wave energy systems are now being developed and tested.

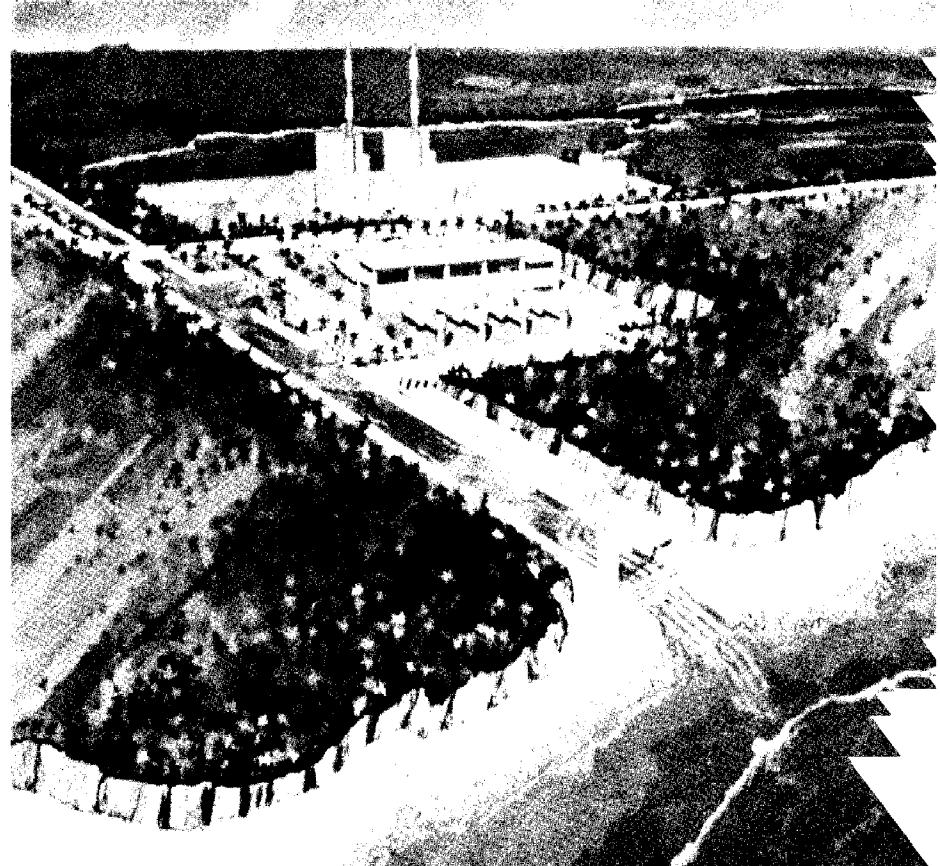
Like the ocean surrounding Guam, the winds over the island also can be used as an alternate energy resource. Wind energy conversion systems are modern, economical versions of the old-fashioned windmill. Small wind systems are being developed and will find increased use on Guam as they become economically available.

*Un planu para i fasilldat ni ha u'usa i minaipen yan minanengheng i tasi para alettos giya Guahan.  
A proposal for an ocean thermal energy conversion plant for Guam.*

*I sistema ni para matulaikan i minaipen yan minanengheng i tasi para alettos ha u'usa gof dankulo lao machalapon na kantidan minaipen yan manengheng i tasi para u na-kalamten i makinan elektrisidat. Este na sistema i mas pusipble na klassen alettos ni guaha Guahan. I operasion este na sistema manananga na u kubre i nesisidat elektrisidat Guahan yan para u tahgue i fasilitdat manma'elektrisidat ni ha u'usa petrot gi año 1980 para mo'na.*

*Guaha gi napun tasi dankulo na kantidan alettos. Pusipble na siña este mana'setbe para u fanprodusi elektrisidat. Esta i alettos i napu marialisa yan machachagi pa'go.*

*Parehu yan i tasi, i manglo' siña lokkue' mana'fanahgue manprodusi elektrisidat. I ma'usa-ña este na alettos modetno yan baratu-ña ki i biho na classe, i ga'ga' manglo'. Esta ma'atbabansa i dikike' na sisteman manglo' ya mas siempre ma'usa gigon mas baratu.*



**MINAIPEN TANO', BASULA YAN KINALAMTEN HANOM SIÑA LOKKUE' MAF'AALENTOS.**

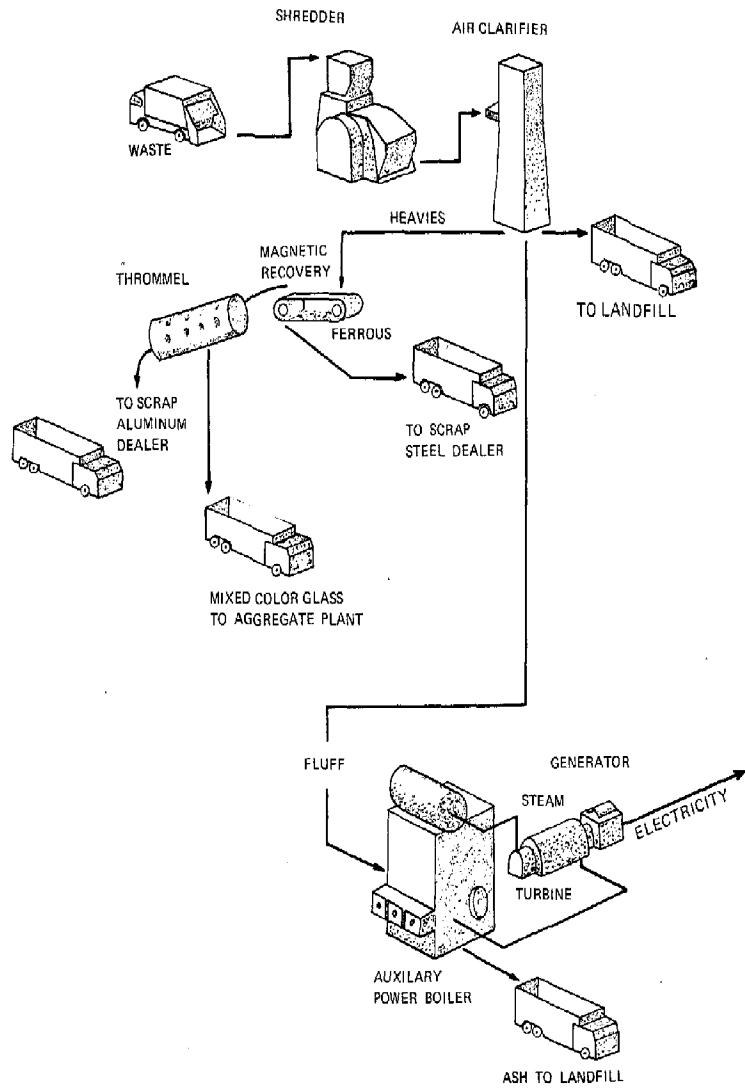
*Siña ma'usa i minaipen tano' para manma-elektrisidat. Komu masodda' este na minaipen hihot kontra i hilo' i tano', siempre baratu ya libianu ma'onse. Matiriat yan hale'alentos ni machule' gi basulan i munisipat mas inalibia i prubleman manyuti basula, mausan tano' para sagan basula, masuheta i inaplacha ya ha alibia i prubleman alementos. Siña lokkue' mana'setbe i taki taotao yan gs'ga' yan matai tinanom para alementos.*

#### GEOTHERMAL, SOLID WASTE, AND HYDROELECTRIC ALTERNATIVES ARE ALSO AVAILABLE AS ALTERNATE ENERGY RESOURCES.

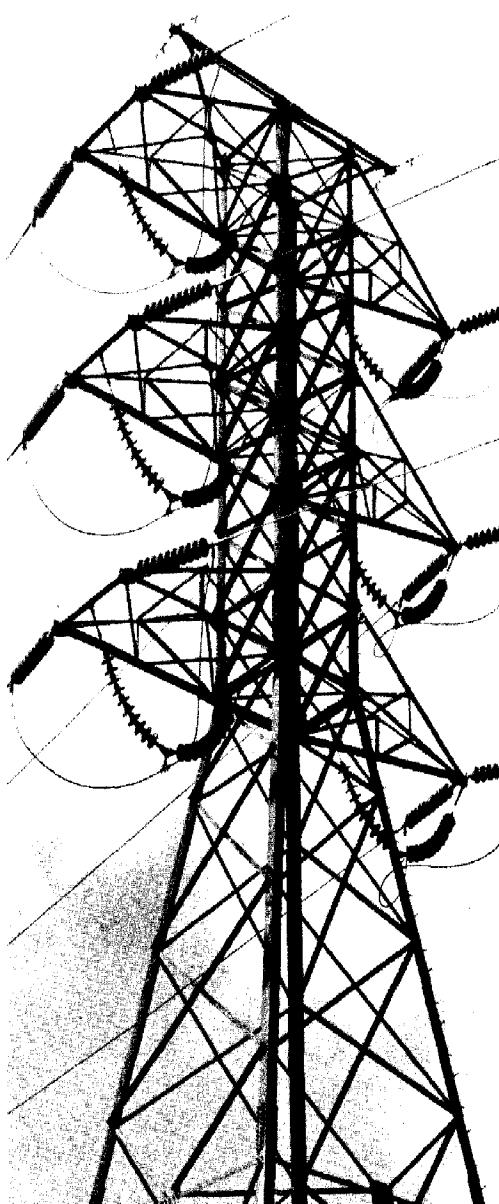
Geothermal energy production uses the heat contained beneath the ground to produce steam for electrical power production. If this heat is located near the surface of Guam, the economic costs and technical difficulties of drilling will be minimal. Material and energy recovery from municipal solid waste is an economical solution to some of Guam's disposal, land-use, pollution and energy resource problems. Other solid waste resources are sewage sludge, agricultural products and animal waste. All of these can be burned or converted to synthetic fuels.

*Na'guaha estudio ni para u dinitetmiña kao guaha minaipen tano' gi isla yan para u identifikasi kao pusipble mana'setbe para hale'alentos.*

Conduct a geologic study of Guam to determine the geothermal potential of the island and identify any thermal resources and the feasibility of their development.



A POTENTIAL MATERIAL AND ENERGY RECOVERY SYSTEM FOR GUAM  
UN SISTEMA NI SIÑA MA'USA PARA TA RIKOH / AN'USA NA MATIRAT  
PARA HALE' ALEMENTOS PARA GUAHAN



*Emplementa i rekomendasion ginen i estudio siha pot taimanu mayute-ña yan i mana'setben-ña i basula.*

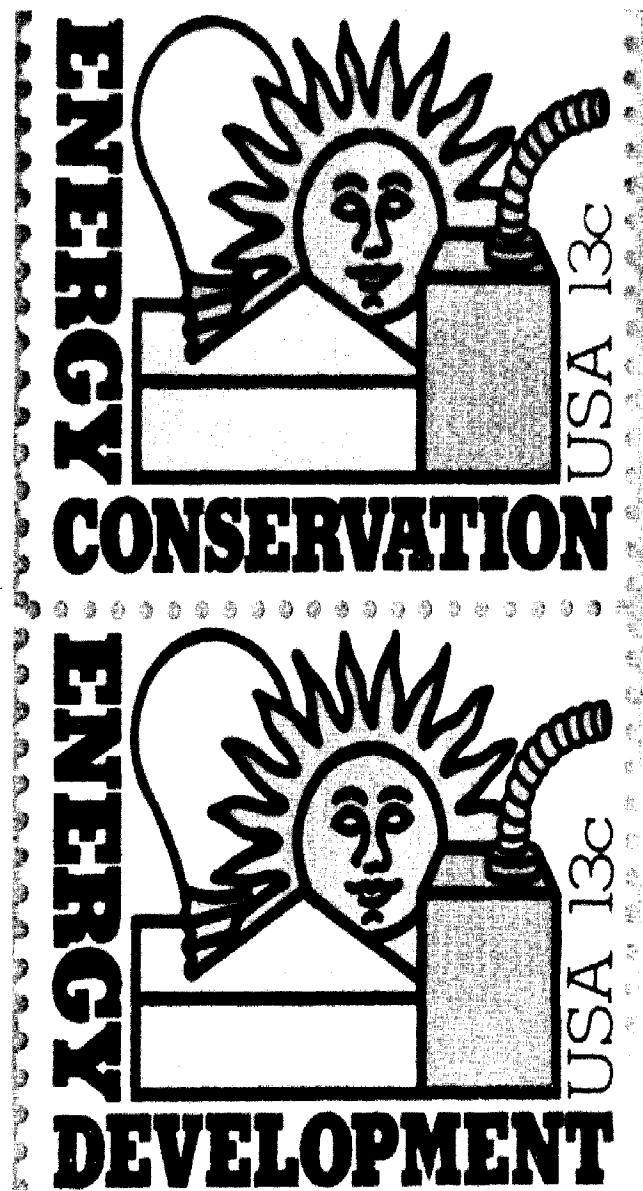
*Embestiga kao pusipble ma'adilanta i fasilitat ni mama'tinas elektrisidat ginen i finallagon hanom giya Guahan.*

Implement the recommendations of solid waste disposal and resource recovery studies.

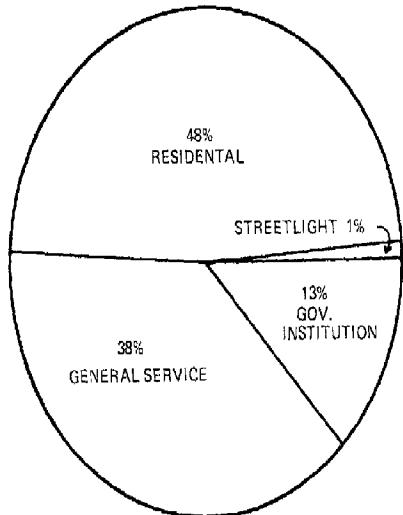
Investigate the feasibility for developing hydroelectric facilities on Guam.

Hydroelectric systems convert the energy obtained from moving water into electricity. These systems are usually a part of a dam, although the outfall from a sewage treatment plant is considered as a hydroelectric source. Rivers in Southern Guam may have potential for such development. Guam should become a leader in the utilization of the available alternate energy systems. Solar water heaters should be installed in all high school cafeterias. Government buildings should be converted to solar air conditioning. A demonstration wind generator system should be installed to provide the lighting for government offices.

*I kinalamten hanom siña mana'setbe para u fama'tinas elektrisidat. Este na sistema ha na'sesetbe i finalagon i hanom ginen un fasilitat ni sumustietieni i hanom, achok ha' makonsidera lokkue' ayu i popodong na hanom ginen i makinan manna'gasgas taki. I saddok siha gi sanhayon Guahan siña manggai kapasidat para este na klassen adilanto. Debi di u fofó'na Guahan gi uson diferentes klassen sistemana alentos. Makinan manna'maipen hanom ginen i atdaa debi di u fan mapega gi kosinan i high school siha. I ofisinan i gubietno siha debi di u mana'setbe i makina ni muna'frefresco halom guma' ni ha u'usa i ninan i atdaa. U mana'guaha makinan mama'tinas elektrisidat ginen i manglo' gi kada ofisinan gubietno para u fanu'e i pupbliku na pusipble ma'usan-ña este na sistema.*

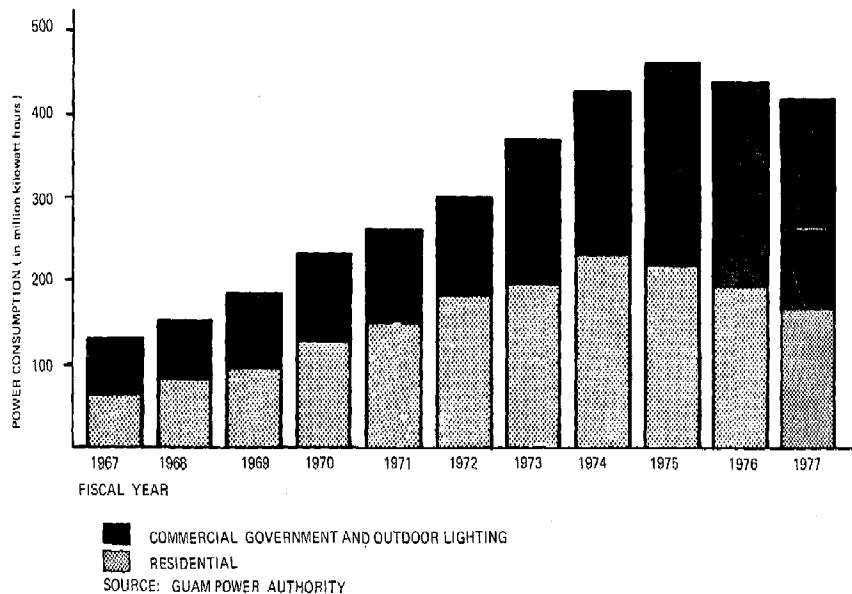


GUAM POWER AUTHORITY ELECTRICITY SALES  
I MABENDE NA ELEKTRISIDAT NI GPA



SOURCE: GUAM POWER AUTHORITY

POWER CONSUMPTION ON GUAM  
1967 to 1977  
I MA'USAN ELEKTRISIDAT GIYA GUAHAN  
1967 ASTA 1977



■ COMMERCIAL GOVERNMENT AND OUTDOOR LIGHTING

■ RESIDENTIAL

SOURCE: GUAM POWER AUTHORITY

NESISARIU NA U MANA'GUAHA PRUGRAMMA PARA MANA'UTAS I MA'USAN ELEKTRISIDAT ENSIGIDAS.

#### ENERGY CONSERVATION MEASURES SHOULD BE INITIATED IMMEDIATELY.

*Maseha ha fafana' i isla un predikamenton petrot, makontinunu'a madispetdisia i elektrisidat. I kahulo'-ña i presiun elektrisidat gi manmaloffan siha na sakkan ti suficiente na empeñu para u mana'utas i elektrisidat. I residensia ma'u'usa 48 pot siento na elektrisidat ni mabende ni i Guam Power Authority. Siña ta chonnek este na patte gi isla para u na'maok i usa-ña i elektrisidat.*

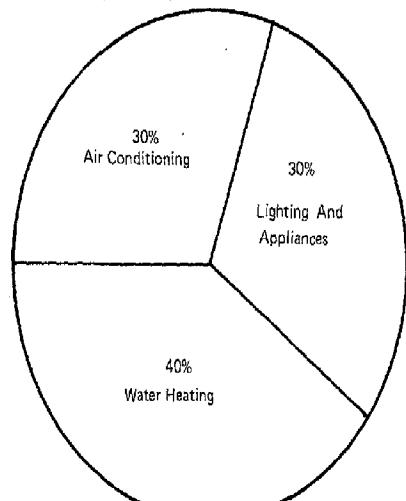
*Masodda' na i ma'usen elektrisidat entre todo i taotao madibidi taiguini: 40 pot siento para munamaipe hanom, 30 pot siento para manna'fresco halom guma', yan 30 pot siento para kandet yan otro kosas guma'. Siña manna'utas i elektrisidat yanggen marebaha i ma'usen makinan manna'maipe hanom yan manna'fresco halom guma'. I ma'usen i makinan munamaipe hanom gi-nen i ininan i atdao siña nina'suha 40 pot siento gi ma'usen elektrisidat para este na aktibidad, ya yanggen maprohibi i minaipa na u halom gi gima', siña mana'suha o marebaha 30 pot siento gi ma'usen elektrisidat para manna'fresco guma'. Siknifikante mana'utas i ma'usen elektrisidat siña marialisa ni familia sin u na'latakpapa' i modelon li-na'la'-ñiha.*

Although the island is confronting an energy crisis, wasteful energy practices continue. The increasing cost of energy over the last few years has not been a sufficient incentive to encourage the population's adoption of conservation measures. Residential electrical consumption accounts for 48% of the Guam Power Authority's sales. A major energy conservation emphasis could be in this sector.

The electric consumption pattern for the average Guam household has been found to be divided into the following percentages: 40% for water heating, 30% for air conditioning, and 30% for lighting and appliances. Major electrical savings can be made by reducing water heater and air conditioner electrical consumption. A solar water heater can eliminate the 40% water heating demand, and the elimination or reduced use of air conditioning by insulating the roof can save another 30% of the average household's energy demand. Significant energy savings can be realized by the average household without lowering its standard of living.

DISTRIBUTION OF AVERAGE HOUSEHOLD ELECTRICITY CONSUMPTION

I DISTRIBUTION I MA'USAN-ÑA I ELEKTRISIDAT NI I MANOTDINARIO NA FAMILIA



Source: Bureau of Planning

*Kontinua mana'uebu yan ma'implementa i planu para mana'maok i alentos.*

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*Kontinua yan na'lametgot i programman edukasion para i publiku para mana'utas i alentos.*

Continue to update and implement the energy conservation plans.

Continue and strengthen public education efforts in energy conservation.



An automobile

900,000,000 BTU / yr.



An air-conditioner

40,000,000 BTU / yr.



A stove

9,000,000 BTU / yr.



A color TV (tube)

9,000,000 BTU / yr.



A dishwasher

4,000,000 BTU / yr.



A black and white TV (solid-state)

2,000,000 BTU / yr.



A hair dryer

150,000 BTU / yr.



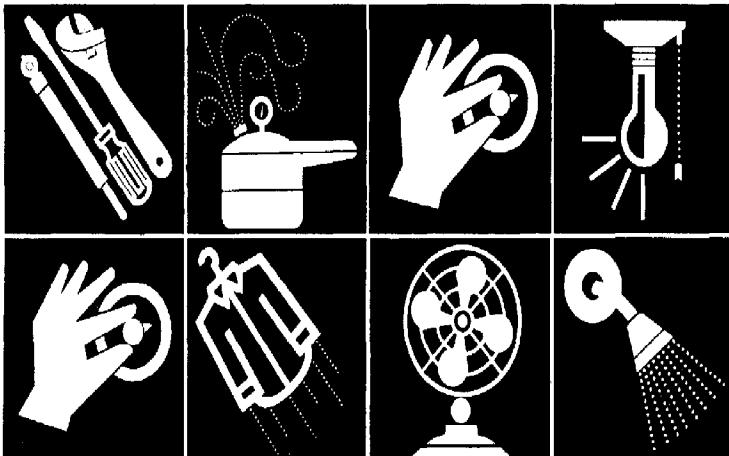
An egg beater

50,000 BTU / yr.

## What uses the most energy?

(average annual use)

*Hafa manu'usa mas na aletos?  
Ii midianu na ma'usa-na gi sakkan!*



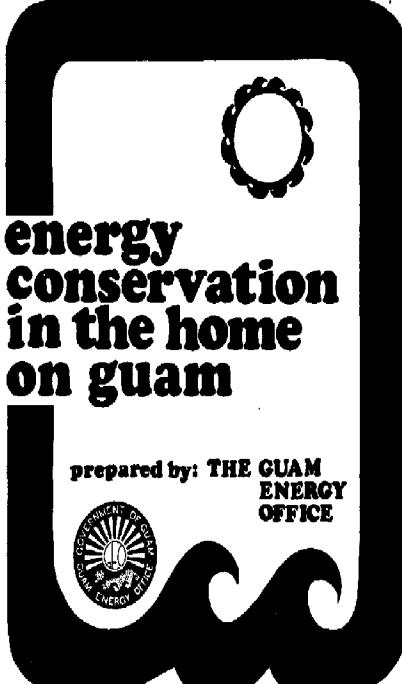
*Entoumasin para mungo madispeditisid elektrisidat.* Tips for Energy Savers.

200

*Na'guaha empeñu para u ma'atbansa i manna'utas i aletos ni pupbliku.*

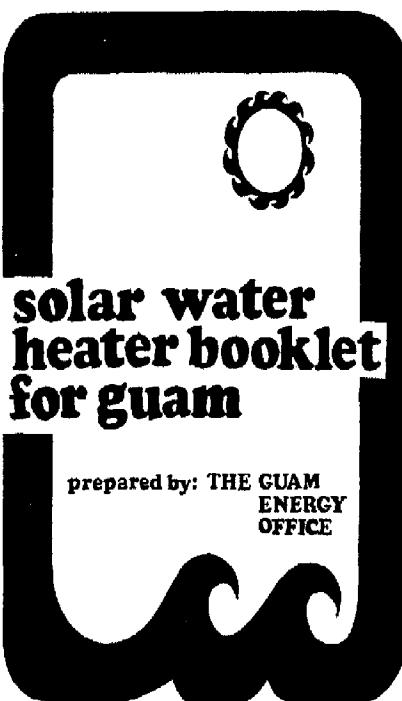
Provide incentives to promote energy conservation in all businesses and residences.

The government can support conservation efforts through tax incentives. Efforts to reduce electrical consumption will postpone construction of additional power facilities. More time will be provided by the Guam Power Authority to improve its financial status and raise funds for the construction of an additional plant.



**energy  
conservation  
in the home  
on guam**

prepared by: THE GUAM ENERGY OFFICE

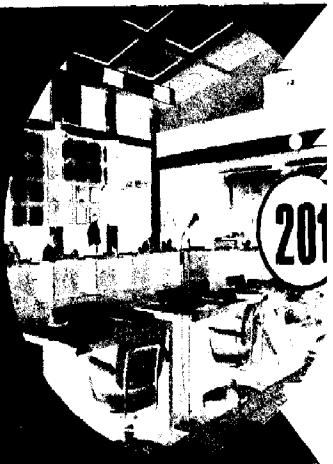


**solar water  
heater booklet  
for guam**

prepared by: THE GUAM ENERGY OFFICE

*Manggaige este nu lepilo gi Guam Energy Office.  
These booklets are available at the Guam Energy Office.*

*Siña i gubietno ha supotte i mana'utas i elektrisidat yanggen mana'e empeñu gi kontribusion na manera. Komu siña mare-baha i ma'usan elektrisidat, siempre mana'mahiao i mahatsan nuebu na fasilitad elektrisidat. Siempre nina'e' tiempo i Guam Power Authority para u na' sanu i estao-na gi salape' na banda kosa ki siña marikohiyi kopble para mahatsa mas fasilitad.*



*Este na pubblikas' i Kabales Na Planu, ha matka i fine'nena na pasu para u mafotma hafa siha na ideha yan manera ni siña ma'usa para u ma'atbansa todus patte gi isla. Prisu pa'go na u guaha fitme na aksion gi-nen i tumataitai este na dokumento yan i petsona siha ni manggai aturidat.*

*I lai Pupbliku Numiru 12-200 ni ma'amende ni Lai Pupbliku Numiru 13-89 ha opbliga i Central Planning Council na u fama' tinas rekondas' i planu ni para u apreba si maga'lahi. Despues di ha apreba si maga'lahi, u masupmiti i dokumento guato gi Lehislatura para u ma'adopata kon resolusion komu Kabales Na Planu para i teritoriu Guahan.*

The publication of the *Comprehensive Development Plan* marks the initial step in the formulation of a development strategy. Decisive action by the readers of the document and individuals in positions of authority is now necessary.

Public Law 12-200, as amended by Public Law 13-89, requires the Central Planning Council to make recommendations regarding adoption of the plan to the Governor. Upon the Governor's approval, the document is submitted to the Legislature for adoption by resolution as the Territory's *Comprehensive Development Plan*.

*Despues di ha apreba i lehislatura, debi di u guaha ensigidas na aksion gi rekomen-dasion' ni manota guini gi Kabales Na Planu. Meggai gi rekomen-dasion siña ma'emplemen-ta sin mas gasto para i gubietno. Otro siha na rekomen-dasion nesista ma'establis-a hafa mas prisu u macho'gue ya u ma'usa i keple para i mas takhilo' na nesida't. I dipattamento yan i ahensian i Gubietnon Guahan, debi di u marenueba i gaige pa'go na programma siha, establis-a nuebu na pru-gramma, ya u fandaña' yan u fana'tungo' gi fina'che'cho'-ñiha para u ma'ataka i punto yan asunto siha ni manmadiskuti guini na planu. I Lehislatura debi di u pasa lai ni para u atbansa i espasifiku na rekomen-dasion ni manmaprisenta ni planu. I gubietnon federat-debi di u fama'tinas fitme na disision ni para u supotte i makekekumple gi planu.*

*Yanggen todú ma'implementa i areklamen-to yan i programma siha ni ma'indika gi Kabales Na Planu, magahet Guahan na pot fin ha implementa i capital improvement program. Este na dokumento ha identifikasi i manesisita na fasilitat gi diferentes patte, kontodu edukasion, transpottasion, i guina-han hanom yan otro siha na nesida't i sosiadat. Este na planu, ti ha prisenta i kalenda-riu para u fanmahatsa i fasilitat, sa' depende este parehu ha' gi ira yan kontodu i guina-han salape', lao este na planu ha ripara na siempre mahatsa este siha na fasilitat gineng i che'cho'ayu siha i chumo'chonnek yan su-mupopotte i planu. Kumeke i lekña este na i manma'adilanta i fasilitat pupbliku siempre u reflekta i minetgot i pupbliku kumon-bense i manma'gas pot i nesida't yan mi-nalago'-ñiha.*

*Sigun gi lai, i Bureau of Planning u ina'atan i kinalamten gi ma'implementan i Kabales Na Planu ya u ebalu'a i che'cho' kao ma'alibia i prubleman i isla siha. I estratehia siempre matulaika yanggen nesiaru. I fot-turan i Kabales Na Planu ha depepende gue gi supotten i komunitat.*

Following adoption by the Legislature, immediate action should be taken on the recommendations outlined within the *Comprehensive Development Plan*. Many of the recommendations can be successfully implemented at no additional cost to the public. Other recommendations may require a new set of funding priorities. Government of Guam departments and agencies should redesign existing programs, establish new programs, and coordinate their efforts in addressing the plan's various issue areas. The Legislature should enact legislation promoting the specific objectives of the plan. The Federal Government should take decisive action supporting the goals of the development strategy.

Through implementing the policies and programs of the *Comprehensive Development Plan*, Guam will, in fact, be implementing its capital improvement program. This document has identified capital needs in a variety of areas, including education, transportation, water supply and other infrastructural categories. Rather than offering a specific long-term construction schedule for such facilities, subject as much to the whims of nature as availability of funds, this plan recognizes that the island's capital improvements will result more from efforts of those most effective in advocating and supporting the plan's specific policies. In other words, development of Guam's public facilities will ultimately reflect the public's effectiveness in voicing its needs and desires.

As required by law, the Bureau of Planning will monitor progress towards the implementation of the *Comprehensive Development Plan* and will assess the plan's effectiveness in resolving island problems. Revisions of the development strategy necessarily will be made on a continuing basis. The future of the *Comprehensive Development Plan* is dependent, for the most part, on the support of this plan by the community.





Espasifiku ginagao-ña i sektion 62020 gi Lai Pupliku 12-200 hafa para u makubre gi Kabales na Planu. Ha lista este na apendita tod i asunto ni ministet madiskuti yan i manla'nuebu na estudio, ripot yan dokumento ni manmapripara ni i Bureau of Planning pat otro siha na ahensian gubietno gi manmaloffan na tres años. I tumataitai este na dokumento siña mariferi siha guatu gi este manmalista na dokumento para mas kumplidu na diskuti pot este siha na asunto yan areklamento ni manmaprisenta guini na planu.

Section 62020 of Public Law 12-200 specifically describes the content required to be included in the *Comprehensive Development Plan*. This appendix outlines the required elements and lists more recent studies, reports, and background documents prepared by the Bureau of Planning or other government agencies during the past three years. The reader may refer to the documents for a more detailed discussion of those issues and policies presented in this plan.

## **Required Elements**

### **A. Land-Use Element**

- Land-Use Plan, Guam: 1977-2000, August 1977, Bureau of Planning
- The Guam Coastal Management Program, 306 Document, draft, January 1978, Bureau of Planning
- An Inventory of Present and Projected Coastal Land and Water Uses on Guam, February 1977, Bureau of Planning.
- A Summary of Major Federal Agency Land Holdings in the Territory of Guam, January 1977, Bureau of Planning.
- Mechanisms for Land Use Control on Guam, 1977, Bureau of Planning
- A Guide to Changes in Laws Relative to Land and Water Use, 1969-1976, October 1976, Bureau of Planning
- Air Installation Compatible Use Zone Study, U.S. Naval Air Station, Agana, Guam, Mariana Islands:
  - Prefinal Report, December 1977, U.S. Department of the Navy, Pacific Division Naval Facilities, Engineering Command, Facilities Planning Department
- Atlas of the Reefs and Beaches of Guam, 1976, Bureau of Planning

### **B. Community Design Element**

- Community Design Plans, Guam: 1977-2000, October 1977, Bureau of Planning
- Project Report: Asan Community Redevelopment, 1977, Guam Housing and Urban Renewal Authority

### **C. Transportation Element**

- Tumon Bay Scenic Highway Design for San Vitores Road, September 1977, Bureau of Planning
- Guam: Comprehensive Highway Plan, October 1976, Department of Public Works
- Comprehensive Highway Safety Plan, 1976/1977, May 1975, Department of Public Works
- A Bicycling Program for Guam, August 1976, Department of Public Works

### **D. A Regulatory Element**

- Land Use Districts and APC Guidelines
- Street Atlas of Guam, 1976, Bureau of Planning

### **E. Public Services and Facilities Element**

- Hydrological Study for Potential Water Supply Reservoir-Ugum River, March 1977, U.S. Army Corps of Engineers
- Plan of Study, Ugum River, Territory of Guam, April 1977, U.S. Army Corps of Engineers
- Future Power Production and Transmission Alternative Plans, Guam, U.S.A., June 1977, Bureau of Planning
- Solid Waste Disposal and Resource Recovery Study for the Island of Guam, draft, January 1978, Guam Environmental Protection Agency
- Wastewater Facilities Plan, 1978, Public Utility Agency of Guam
- A Preliminary Management Study of the Guam Petroleum Storage System and the Feasibility of the Establishment of a Guam Petroleum Reserve, December 1976, Strategic Petroleum Reserve Office, Federal Energy Administration
- Guam Public Market Feasibility Study, July 1977, Department of Commerce

### **F. Public Buildings**

- Specifications for Farmer's Market, Agana, (Old Abandoned Pump House), 1977, Department of Public Works
- Nieves M. Flores Memorial Library: Detailed Building Program, October 1974, Mackinlay/Winnacker/McNeil
- Guidebook to the Architecture of Guam, 1976, The American Institute of Architects, Guam and Trust Territory Chapters

### **G. Housing Element**

- Residential Development Policy Report, October 1976, Bureau of Planning

### **H. Redevelopment Element**

- Project Report: Asan Community Redevelopment, 1977, Guam Housing and Urban Renewal Authority
- Residential Development Policy Report, October 1976, Bureau of Planning

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### **I. Conservation Element**

- Evaluation of AAFB Forest Reserves for a Potential Management Plan, October 1977, U.S. Air Force
- Conservation of Unique Farmlands, August 1977, U.S. Air Force
- Endangered and Threatened Species, 1977, Department of Agriculture
- An Ecological Survey of Pristine Terrestrial Communities on Guam, August 1977, Bureau of Planning
- Inventory and Mapping of Wetland Vegetation in Guam, Tinian and Saipan, M.I., June 1977, U.S. Army Corps of Engineers.
- Marine Environmental Baseline Report, Commercial Port, Apra Harbor, Guam, April 1977, U.S. Army Corps of Engineers
- Cultural Reconnaissance of Cabras Island, Apra Harbor, Guam, U.S. Army Corps of Engineers

Aquaculture and Its Potential Environmental Impact on Guam's Coastal Waters, 1977, Bureau of Planning  
Environmental Management Study, 1978, Guam Environmental Protection Agency  
Island Air – Can Guam Keep It Clean? January 1977, Richard R. Justice, University of Oklahoma  
Additions to the Avifauna of Guam, June 1977, Nick Drahos  
Marine Survey of Agat Bay, 1977, Guam Oil and Refining Company  
Current Status of Guam's Petition to Designate the Northern Groundwater System as a Sole Aquifer under Section 1424(e) of the Safe Drinking Water Act – U.S. P.L. 92-523, May 1977, Guam Environmental Protection Agency  
Water Quality Standards, 1975, Guam Environmental Protection Agency  
Survey and Species Inventory of Representative Pristine Marine Communities on Guam, October 1977, Bureau of Planning  
Erosion and Sediment Control Guide for Guam, May 1977, Guam Environmental Protection Agency  
Shoreline Erosion on Guam: A Position Paper, June 1977, Bureau of Planning  
Non-Point Water Pollution and Recommended Control Strategies for the Island of Guam, February 1978, Guam Environmental Protection Agency  
Water Pollution Potential of Non-point Sources – A Survey of Current Literature, draft, May 1977, Guam Environmental Protection Agency  
Final Environmental Impact Statement, Guam International Air Terminal, Guam, Mariana Islands, October 1976, U.S. Department of Transportation, Federal Aviation Administration  
The Merizo Water System Sanitary Survey, February 1977, Guam Environmental Protection Agency  
Urban Runoff Quality in Northern Guam, January 1978, Water Resources Research Center  
Power Plants and the Marine Environment in Piti Bay and Piti Channel, Guam: 1976/1977, Observations and General Summary, 1977, Guam Power Authority  
Effects of Thermal Effluent on the Coral Reef Community at Tanguisson, 1976, Guam Power Authority  
Agat Sewage Treatment Plant: Impact of Secondary Treated Effluent on Guam Coastal Water, October 1977, Water Resources Research Center  
Waterworks Ordinance: An Ordinance to Provide for and to Regulate a Supply of Water to the Island of Guam, February 1975, World Health Organization

J. A Recreation Element

Guam Comprehensive Outdoor Recreation Plan, March 1977, Department of Parks and Recreation  
Planning for South West Guam, March 1976, Unpublished report of Department of Parks and Recreation  
Marianas Yacht Club Master Plan, 1977, Marianas Yacht Club  
War in the Pacific National Historical Park Guam, 1977, Revision of the 1967 Proposal, U.S. Department of the Interior, National Park Service  
Inarajan Village Historic Architectural District, 1977, Department of Parks and Recreation  
Beach Access on Guam, October 1977, Bureau of Planning  
Agana Marina Development Plan, November 1976, Gillham, Koebig and Koebig  
Marine Reconnaissance Survey of Proposed Sites for a Small Boat Harbor in Agat Bay, Guam, September 1977, U.S. Army Corps of Engineers  
A Limited Current, Sediment, and Marine Biological Survey Near the Merizo Shores Docking Facility, Cocos Island, Guam, April 1977, Merizo Shores Corporation  
Harbor of Refuge, Apra Harbor Guam - Reconnaissance Report, September 1977, U.S. Army Corps of Engineers  
Guam Historic Preservation Plan, 1976, Bernice P. Bishop Museum

K. Safety Element

Interim Territorial Emergency Plan, 1978, Bureau of Planning  
Vulnerability Studies: Hazard Analysis, 1978, Bureau of Planning  
I. Adaptations and Adjustment to Hazards on Guam: An Analysis, Vulnerability Study Series, Report No. 1  
II. Typhoons: Their Nature and effects on Guam, Vulnerability Study Series, Report No. 2  
Information Interface of Individual Assistance Programs, June 1977, Bureau of Planning  
Army Corps of Engineers Flood Hazard Studies for Agat River, Asan River, Geus River, Inarajan River, Masso River, Pago River, Salinas River, Tamuning Area, Umatac River, Ylig River, 1975 and 1976

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L. Additional Elements

Guam Energy Conservation Plan, 1977, Guam Energy Office

M. Five-Year Social-Economic Plan

- , Agricultural Development Plan, 1978, University of Guam for Bureau of Planning
- Final Environmental Impact Statement, Guam International Air Terminal, Guam, Mariana Islands, October 1976, U.S. Department of Transportation, Federal Aviation Administration
- Commercial Port Master Plan
- Economic Adjustment Program, July 1977, Battelle, U.S. Department of Defense, Office of Economic Development
- Overall Economic Development Program, 1977, Bureau of Planning
- Proposed 5-year Consumer Protection Plan, 1976, Bureau of Planning
- Five-Year and Annual State Plan for Vocational Education, Territory of Guam, FY 1978-1982, September 1977, Department of Education
- Comprehensive Criminal Justice Plan - 1978, Territorial Crime Commission
- Comprehensive Health Plan for the Territory of Guam, 1975, Department of Public Health and Social Services
- Five-Year Economic Development Strategy, August 1978, Bureau of Planning
- Five-Year Plan Mental Health and Substance Abuse Services, 1976 - 1981
- Guam's Visitor Industry: An Economic Assessment, July 1977, Bureau of Planning
- GovGuam Briefing Papers for the U.S. Department of Interior, 1978, Bureau of Planning
- Guam: A New Era of Growth: Annual State of the Territory Message, February 1978, Governor Ricardo J. Bordallo
- Growth Policy for Guam, May 1977, Bureau of Planning
- Social-Economic Impact of Modern Technology Upon a Developing Insular Region, 1976, University of Guam
- Guam State Plan for the Public Assistance Program, 1977
- A Study and Review of Laws Pertaining to Alien Investment on Guam, September 1974, Stanford Research Institute

N. Five-Year Schedule of Capital Improvement Projects

- Capital Improvements Review Process, 1977, Bureau of Planning
- Guam Economic Development Projects, January 1977, Department of Commerce
- Guam: The U.S. Developing Territory, 1977, Office of the Governor, Bureau of Planning

O. Specific Policies

- Program for Development of Apra Harbor, October 1977, Guam Economic Development Authority
- Program for Increasing Research and Development on Guam, October 1977, Bechtel, Guam Economic Development Authority
- Program for Increasing U.S. Corporated Activities on Guam, November 1977, Bechtel, Guam Economic Development Authority
- Social Baseline Study of the Territory of Guam, 1976, U.S. Army Corps of Engineers
- A Decade of Tourism: The Socio-Economic Impact of Guam's Visitor Industry, 1976-1977, An Interim Report, December 1977, Guam Visitor's Bureau
- Self-Study Report to the Senior Commission, 1977, Western Association of Schools and Colleges
- Examination of Guam's Public School System, 1976, Department of Health, Education and Welfare
- Draft Community Mental Health Center Conference Recommendations on Substance Abuse, 1978
- University of Guam Accreditation Report, 1976, Western Association of Schools and Colleges
- Health Services for the Territory of Guam, September 1977, Guam Health Planning and Development Agency
- Limits of Cross-Cultural Education in Solving Ethnic/Race Conflict in Guam, Dr. Samuel Betances, August 1977
- Technical Assistance: A Way to Promote Better Management of Guam's Resources and Increase its Self-Reliance, 1977, Department of Interior
- The Guam Alien Contract Worker System, 1977, U.S. Department of Labor
- Guam Rehab Act Debt Study, November 1977, Fourteenth Guam Legislature

For a more complete listing of documents addressing the issues presented in the *Comprehensive Development Plan*, the reader should refer to the *Inventory of Planning Information* available at the Bureau of Planning.

*Para mas kumplidu na listan dokumento siha pot i asunto ni manmaprisenta gi Kabales Na Planu debi di i tumataitai este u riferigue' gi Inventory of Planning Information ni siña mali'e' gi ofisinan i Bureau of Planning.*

## RIKOKNISASION

/ Bureau of Planning ha nana'e dankulo na agradesimento yan Si Yu'os Maase i meggai' na ahensian i Gubietnon Guahan, i Federat yan kompanian yan endibiyu'at san hiyong pot i ayudun-ñiha gi mapriparan este na planu. Lao i Bureau, guiya ha' mismo responsaple pot i sustansian i planu, i fino' Engles yan i fino' Chamorro.

Malago' lokkue' i Bureau na u na'e dankulo na agradesimento i Lehis-laturan Guahan pot i supottasion-ñiha desde mapasa i Lai Pupbliku 12-200.

Este siha hamiresi espesiat na agradesimento:

- \* / United States Department of Commerce *ginen i* Office of Coastal Zone Management yan Economic Development Administration.
- \* / Department of Housing and Urban Development *ginen i* Federal Disaster Assistance Administration yan *i* Office of Community Planning and Development.
- \* *I matranslada este na planu gi lengguahi-ta pumusipble ni inayudan i Insular Arts Council of Guam *ginen i* asistensian i National Endowment of the Arts (Federal Catalog No. 45.007.)*
- \* *Monsignor Oscar L. Calvo, Robert Underwood, Pilar Lujan, Esther Underwood, Bernadita Dungca, yan Olympia Camacho trumansladan in planu gi lengguahi-ta.*
- \* *Glimpses of Guam, i emprentan-ña, yan espesiatmente si Sue Couch, si Julie Haithcock yan si Phyllis Villagomez, pot i pinasensia, sininong, yan ayudun-ñiha duranten i mapriparan este na dokumento.*
- \* *Enfin, i mammalista guini manmanna'e pinentan yan litratun-ñiha para u mas efektibu i mapräsentan-ña i planu. Hafa na lina-che ti mahasnon. (I ma'usa na abrebiasion: L-Aague, R-Agapa', B-Sanpapa', T-Sanhilo' yan C-Talo'. I numiru siha horefiefieri guatu gi pahina annai annok i pinenta pat litratu.)*

Department of Agriculture: 99 (LT & LB), 103, 106 (CR & CL) & 108 (BL & RC)  
American Cancer Society: 32 (L)  
G.G. Anderson: 87, 96 (BR), 115, 116, 117 (R) & 131 (BR)  
Arizala, Costiniano, Villareal & Associates: 24 (TL), 66, 88, 89 & 120  
Bicentennial Commission, Guam, Historical Exhibit Committee: vi, & 71 (L)  
Richard Calleja: 83 (R)  
Cal-Island Development Company: 24 (BR)  
Department of Commerce, Government of Guam: 15, 92 (R), 93 (R), 97 (L), 98 (L) 100, 102, 109, 111 & 113  
Office of Consumer Counsel, Government of Guam: 51, 52, 53 & 54  
Sue Couch: 61  
Thomas J. Davis, Inc.: 25, 38, 39, 41, 44, 45 (L), 49 (L), 92 (T), & 118  
Destination Development Corporation: 91 (T)  
Department of Education, Chamorro Language and Culture Program: 68, 69 (TL & TR), & 70 (R)  
Federal Energy Administration, Office of Conservation Education, Washington, D.C.: 191, 196 (TL), 198 (BL) & 200 (TL & BL)  
Nieves M. Flores Memorial Library: 125 (BR), 126 (TL & LC)  
Governor's Office: 14, 27 (TC), 37 (C), 49 (R), 81, 83 (L), 128 & 138  
Guam Energy Office: 196 (B) & 200 (TR & BR)  
Guam Visitors Bureau: 166 (BL)  
Ricardo Jesus: iii & iv  
Jack Jones: 3 (B), 5 (B), 8, 10, 22, 25, 60, 74, 78, 79, 80,

137, 141 & 153  
Mary Lyon: 203  
MacKinlay, Winnacker, McNeil: 24 (TR), 28 (T), 40, 43, 92 (L), 129, 155 & 178 (BL)  
Medical Center of the Marianas: 47  
Glenda Moore: 201  
Pacific Tokyu Construction Inc.: 24 (BL)  
Department of Parks & Recreation: 84  
Department of Public Health & Social Services: 50 & 55  
Department of Public Safety: 35  
Department of Public Works: 82 (R) Office of Highway Safety: 188 & 189  
R.H. Randall: 160 (RT & B), 162 (LT & B), 163, 164 (BL & R), 165 (R), 166 (TL & BR), 168 (TR & BL), 172 (TR), 176 (TR & BL), 177 (L), 178 (TL & BR), 182 (TL & TR), 184 (TL), 185 (TL)  
Stanford Research Institute, California: 125 (TR)  
Alex Stern, California: 16, 58, 59 & 73  
Kinya Taniguchi: 28 (B), 91 (BL) & 105 (BR)  
Albert H. Tsutsumi: 26  
U.S. Department of Commerce, NOAA, Environmental Data Service, Boulder, Colorado: 125 (TL)  
U.S. Government Printing Office, Washington, D.C.: 29 & 33  
U.S. Marine Corp: 85 (C)  
U.S. Navy: 4 (T), 6 (B), 27 (TL & B) 123, 124, 127 (LT, LB, RB, RC & TR), 131 (BL), 133, 134 & 135  
U.S. President's Commission on Law Enforcement and Administration of Justice, Washington, D.C.: 31  
University of Guam:  
Agricultural Extension Service & Agricultural Experiment Station: 106 (BL & C) & 107

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The following deserve our special thanks:

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- \* The Department of Housing and Urban Development through its Federal Disaster Assistance Administration and its Office of Community Planning and Development.
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- \* Monsignor Oscar L. Calvo, Robert Underwood, Pilar Lujan, Esther Underwood, Bernadita Dungca, and Olympia Camacho who translated the document into Chamorro.
- \* Glimpses of Guam, their printers, and especially Sue Couch, Julie Haithcock and Phyllis Villagomez, for their patience, understanding and help during the publication of this document.
- \* Finally, listed below in alphabetical order are the sources for the sketches and photographs used to illustrate the document. Any error is inadvertent. (Abbreviations used: L-Left, R-Right, B-Bottom, T-Top and C-Center. The numbers refer to the page on which the illustration appears.

Marine Laboratory: Dave Gardner, 99 (TR) & 146, Steve Neudecker, 147  
Micronesian Area Research Center (MARC): 5 (T), 11, 13, 21, 23, 62, 64, 69 (TR & BL), 85, 95, 101, 102 (C), 125 (RC), 126 (TR, CR, BL & BR), 156, 157 & 192  
Bureau of Planning: 1, 106(BR), 187, 190 (R) & 193  
William Concepcion: 12, 90 (C)  
Mike Gawel: 148 (BR)  
Syed Zaigham Jaffery: 6 (T), 7 (R), 20, 30, 31, 32, 37 (B), 45 (R), 69 (BR), 72 (TR & BR), 77, 93 (L), 105 (BL), 108 (BR), 119, 132, 140 (BR), 145, 192, 194, 195 (R), & 198 (BR)  
Peter Leon Guerrero: 94 (L), 110 & 112 (BL)  
Patrick McMakin: 27 (TR), 67, 70 (C), 71 (B), 75 (R), 97 (R), 112 (CR), 117 (L), 127 (C), 148 (LB), 150, 167 (C), 177 (TR), 182 (BR), 190 (L), 195 (L) & 197 (BR)  
Paul Souder: 2, 3 (T), 4 (B), 5 (RC), 9, 19, 63, 65, 70 (L), 71 (R), 72 (L), 75 (L), 96 (BL), 114, 142 & 152 (BR)  
Armand Speidel: 98 (R), 140 (L), 143, 154, 160 (LT, LC, LB) 161, 162 (RT & RB), 164 (TL & TR), 165 (LC), 166 (TR), 167 (L & R), 168 (TL & BR), 169, 170, 171, 172 (TL & BL & BR), 173, 174, 175, 176 (TL & BR), 177 (R), 179, 180, 181, 182 (CR & BR), 183, 184 (TR & BR) & 185 (CR)

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Syed Zaigham Jaffery & Peter Leon Guerrero.  
Execution: Glimpses of Guam



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